

# Technical information – TRAMPOLINE Pi

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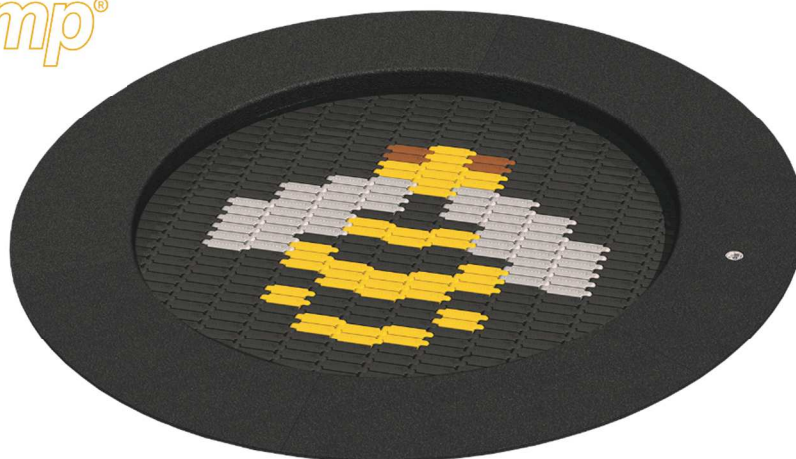


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**colortramp®**  
color your playground



**Fig. 1 – Symbolic illustration of Trampoline Pi with a Honey-bee jump mat**

**f you have any questions, we'd be happy to help:**

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## 1 Mounting instructions

### 1.1 General information and specs

The work described must be carried out by qualified personnel.

Due to the high intrinsic weight once fully assembled, no further anchoring is required – **no foundations are needed!** The trampoline is designed for mounting on ground level.

#### Dimensions

The information given applies only to the individual piece of equipment.  
If multiple pieces of equipment are combined, the information on the individual draft plan is binding or smb must be consulted.

Equipment space:	Ø 1,74 m
Minimum space:	Ø 4,20 m
Jumping area:	Ø 1,20 m (1,13 m <sup>2</sup> )
Fall space:	1,50 m (measured from the inner edge of the rubber plate)
Free space:	3,50 m (height above jumping area)
Max. free fall height:	0,90 m
Weight of heaviest individual component:	220 kg (total weight of trampoline without packaging)

#### Age range

3 years and upwards

#### Number of users

1 person

### 1.2 Ground properties

Shock-absorbent ground compliant with DIN EN 1176-1 must be provided over the entire impact area (draft plan). We recommend synthetic fall protection since loose fall protection material such as sand, bark mulch or woodchips are easily transported into the inside of the trampoline and can therefore reduce the equipment's play value.

### 1.3 Mounting tool

Provided tools:

4 Pieces      Bearing iron

1 Piece      Fixing tool

**(For maintenance purposes only)**

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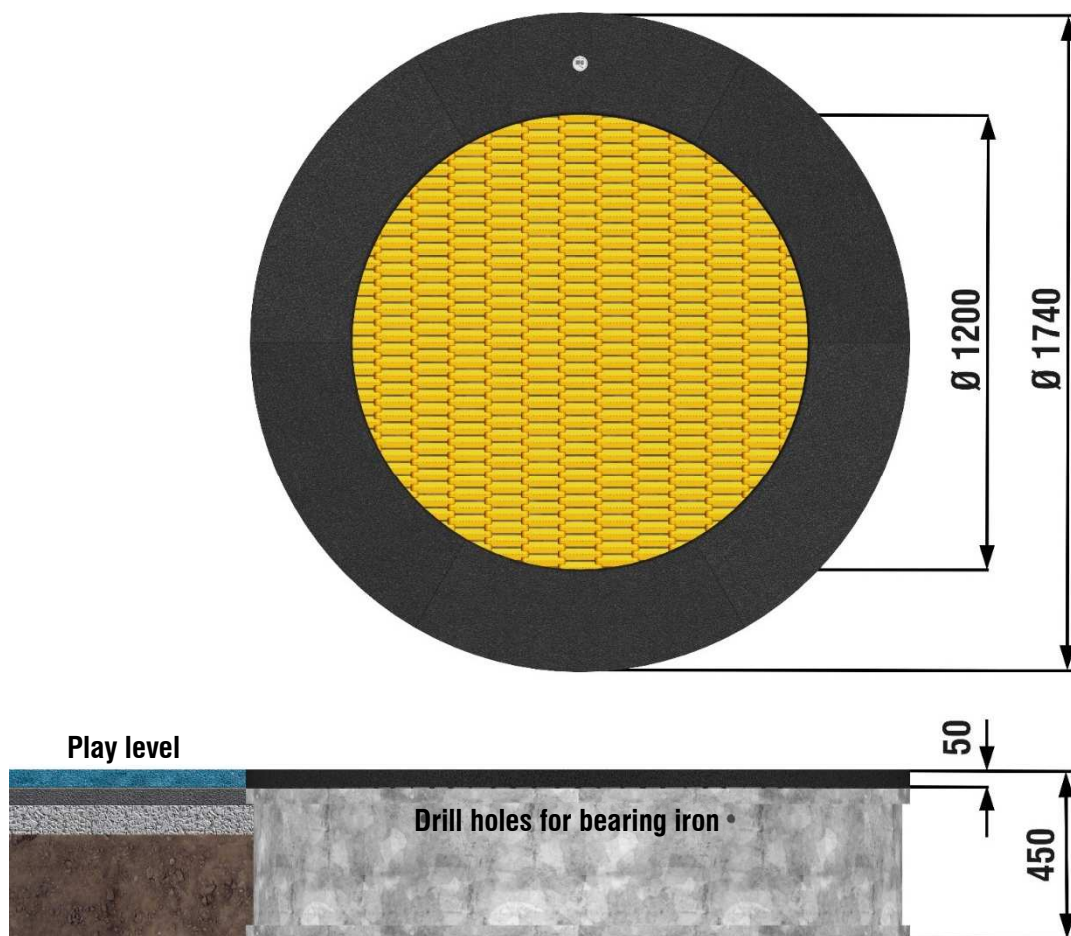
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## 1.4 Mounting

Once the soil has been excavated (450 mm deep) and a horizontal, even surface has been created, the trampoline is set up. If the ground prevents or at least hinders the ingress of water, e.g. if the soil is clay-based, then a drainage layer should be installed.

There are a total of four drill holes (sealed with stoppers) on the sides of the frame. The bearing irons supplied are guided through these to transport the trampoline and position it in the excavated pit (please seal the drill holes again afterwards!). Care must be taken to ensure that the frame is positioned squarely and does not tilt.

Then fill in and seal any open spaces between the ground and the trampoline frame. The play level must be established with shock-absorbing properties, e.g. with molded fall protection, depending on the plans.



**Fig. 1 – Removing soil, dimensions**

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## 2 Maintenance instructions

### 2.1 Maintenance intervals

#### Routine visual inspection

- Check that the interior trampoline area (the space under the jump mat) is clear of sand or garbage. To do this, unhook the jump mat from the frame (**see 2.2**) and remove any dirt present. The jump mat should then be hooked back in.

The frequency should be guided by local conditions (High/low use, vandalism, air pollution, influences of weather).

Since locations can differ significantly (public area, school, children's daycare centre, etc.), no generally valid statements can be made in this regard.

**We recommend that an assessment of the maintenance interval be determined based on experience on site.**

#### Operational inspection (every six months)

- Check the play equipment for general damage or signs of wear and tear.
- Check the inside of the trampoline for dirt (**see routine visual inspection**).
- Check the condition of the jump mat, spring suspension fittings and the fall protection.

**More information can be found on the next few pages and in Figures 3, 4 and 5.**

#### Main inspection

The trampoline frame is made from 3-mm-thick, hot-dip galvanised sheet metal. As a result of this, a main inspection can extend over a two-year period and can then include a check of the frame for corrosion.

#### Information regarding the type plate

The type plate (plaque) is embedded in one of the fall protection plates which are glued onto the trampoline frame. The type plate bears the details of the manufacturer and DIN standard, as well as a serial number and a QR code that can be used to obtain further information.

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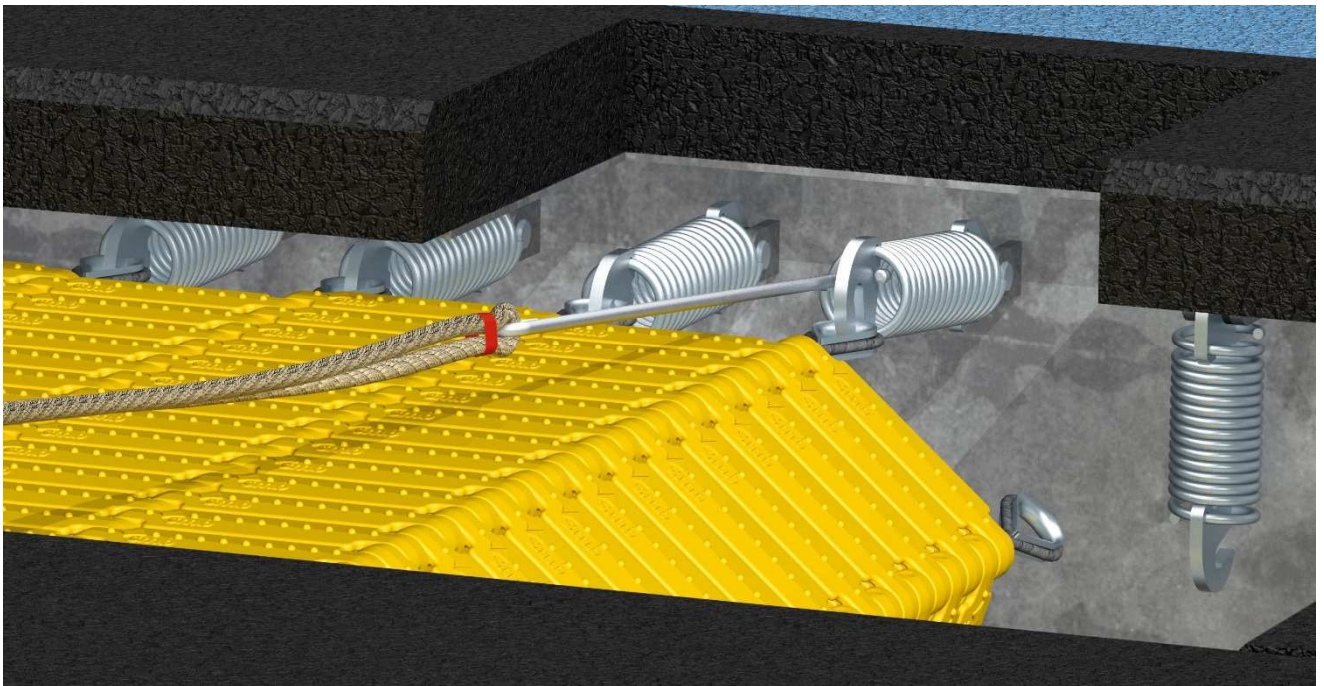
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## 2.2 Removal and re-mounting of the jump mat

The DURAPTEQ® springs can be released from the jump mat suspension using the provided tool (Figures 3 and 4). To do so the hook of the fixing tool is hung in the hook notch of the spring and slowly pulled using the rope attached to it. Once the appropriate extension of the spring has been achieved, the fastening links (chain links) that are secured on two sides of the jump mat fall independently downwards. These fastening links (thimbles) on the other two sides of the jump mat must be pushed out downwards once the springs have been extended. These do not fall independently out of the spring suspension.

The jump mat is hung in position following the same procedure, but in reverse. The only difference is that the extended springs must be hooked by hand into the fastening link (chain link or thimble).



**Fig. 3 Removal and re-mounting of the jump mat**

Produktvideo: Wartung  
Product video: Maintenance



YouTube

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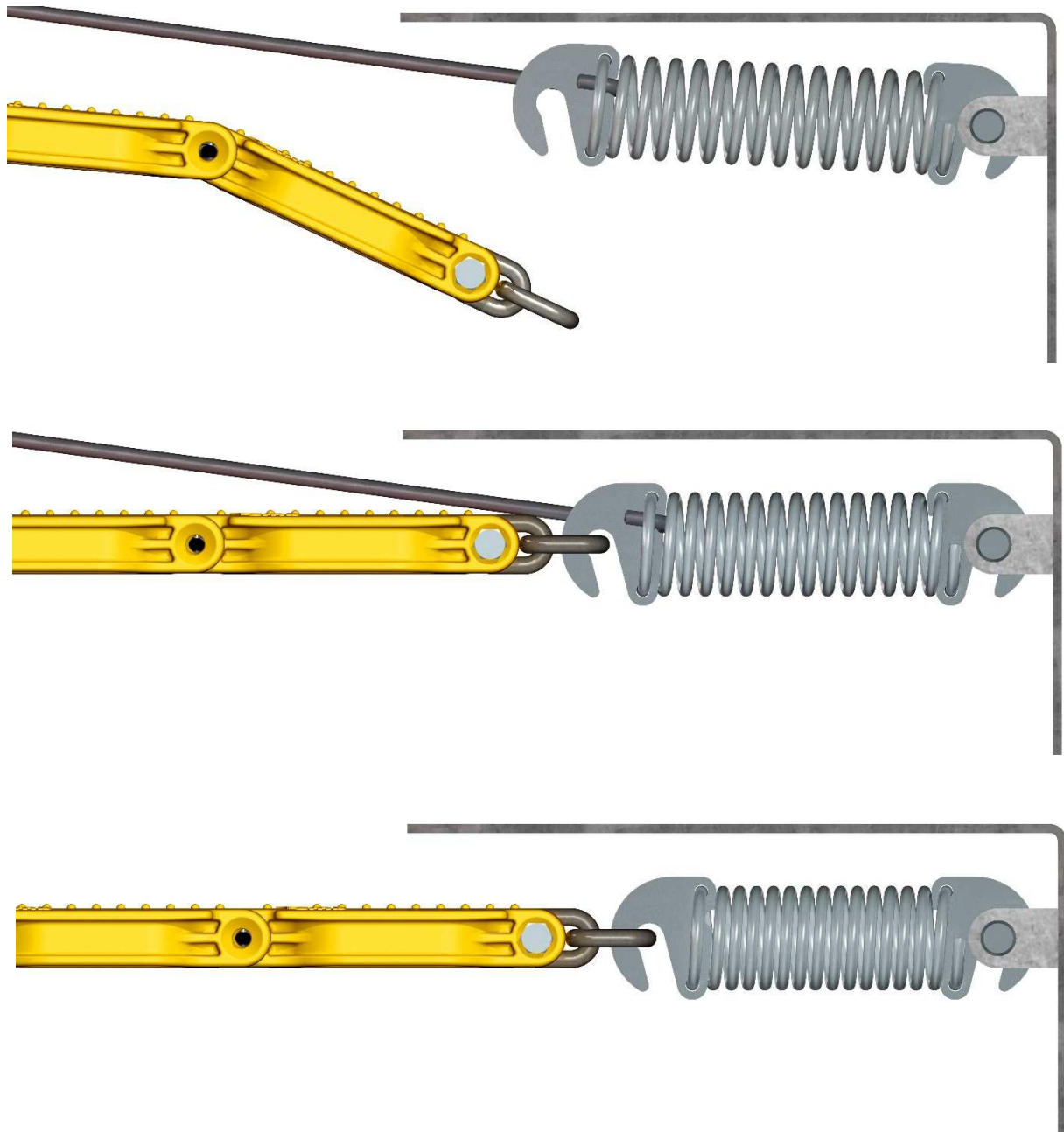
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**Fig. 4 Re-mounting of the jump mat**

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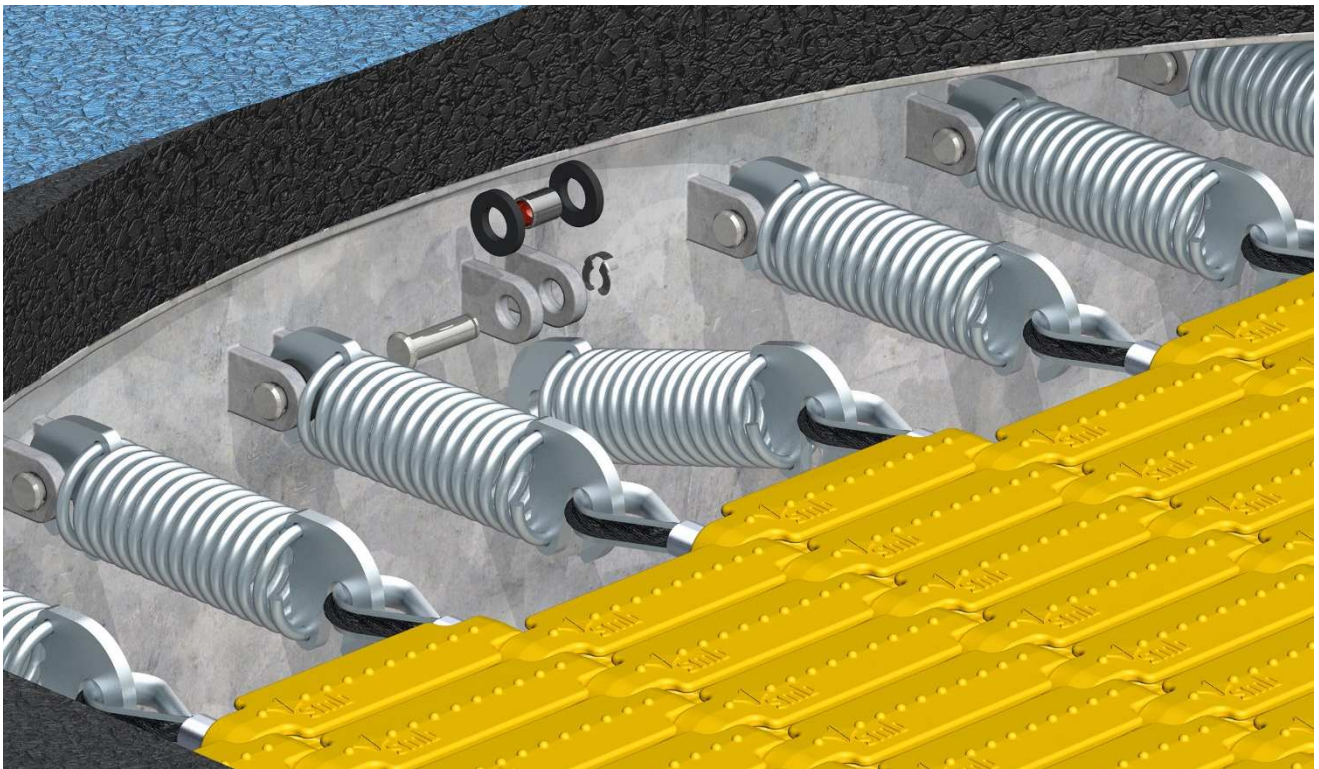
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## 2.3 Special features

A trampoline is a dynamic piece of play equipment. This means that some of the installed materials are subjected to powerful forces arising from friction and bending cycles while the equipment is being used. The stress on the material of the parts in question is therefore commensurately high and signs of wear and tear can appear over the equipment's period of use.

**smb trampolines are built so that all of the parts affected can be exchanged as required and the equipment can continue to be used for many years.**

During the regular maintenance intervals, these parts (BEG-bolts, lock washer for BEG-bolts and plain bearings) must be visually checked (visual or operational inspection).



**Fig. 5** Jump mat suspension, overview of individual parts

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## 2.4 flashtramp®

Only relevant if you have received a trampoline from our flashtramp® series –  
a trampoline with LED lighting units in the jump mat.

With the purchase of one of our flashtramp® trampolines, you have acquired one or more flashtramp® lighting units. Particularly when combined with our colorful, motif jump mats, the light modules produce impressive effects that enhance the enjoyment of play.

Two built-in high-performance LEDs make the flashtramp® lighting unit visibly light up. The power required is generated simply by the user jumping.

### Assembly, maintenance, climate protection – sustainability is important to us!

With the flashtramp® lighting unit, you have acquired a high-quality electronic component that is already integrated into the jump mat before delivery, which means that **no additional installation work is required**. The complete encapsulation and integration into one of the wing lamellas protects all of the components from external influences, such as cold, heat, dust, sunlight and shocks. **Again, no maintenance is required.**



Fig. 6 flashtramp®- lighting unit with wing lamella

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However, it is possible that a lighting unit does not work as it should, or fails completely. In this case, it must be replaced and the faulty unit disposed of correctly or recycled.

To ensure this flashtramp® lighting units are WEEE-certified.

**Too much of a hassle? No problem!**

**Simply send us the defective lighting unit back and we will take care of the professional disposal for you.**

**Together for a sustainable future!**



**WEEE-Reg.Nr.  
DE 60731611**



**Fig. 7 flashtramp® lighting unit**

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