

## Mounting instructions for multiplayer equipment „gravis2“

Artikel-Nr. 515516401

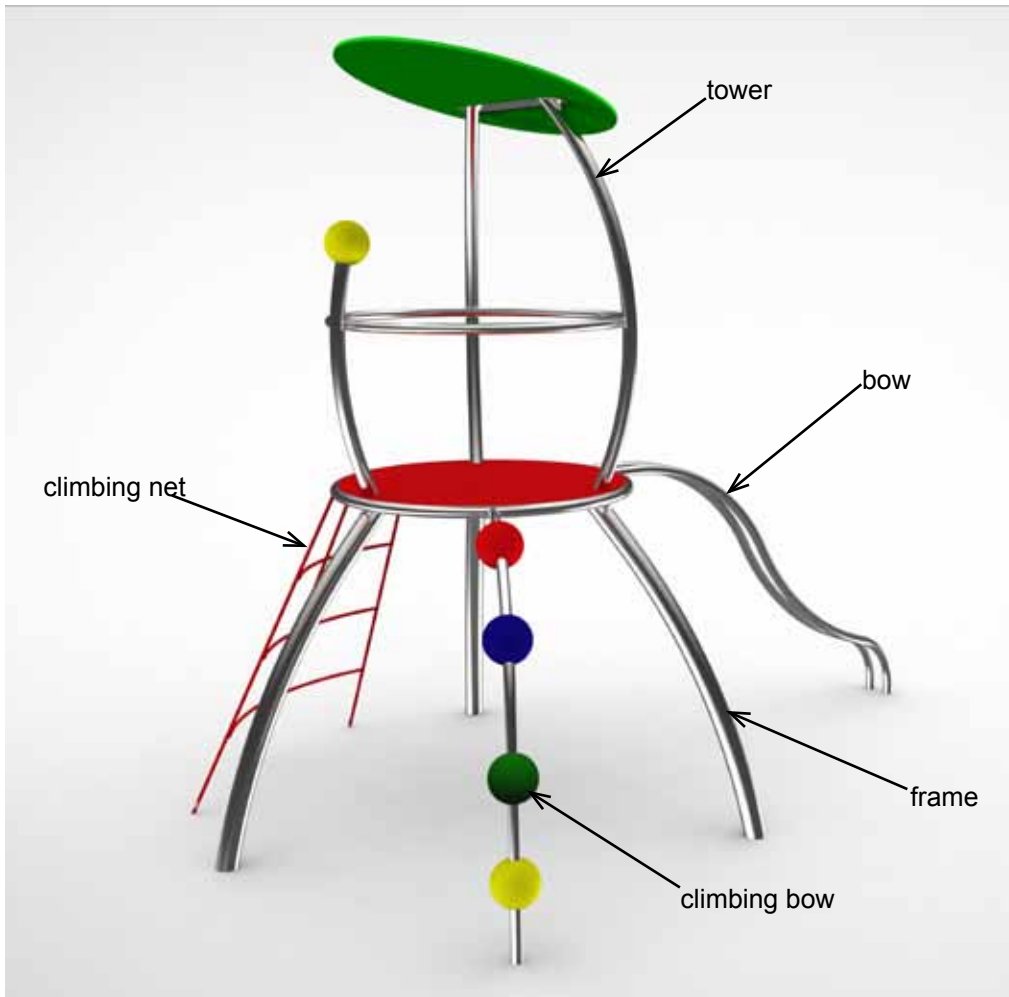
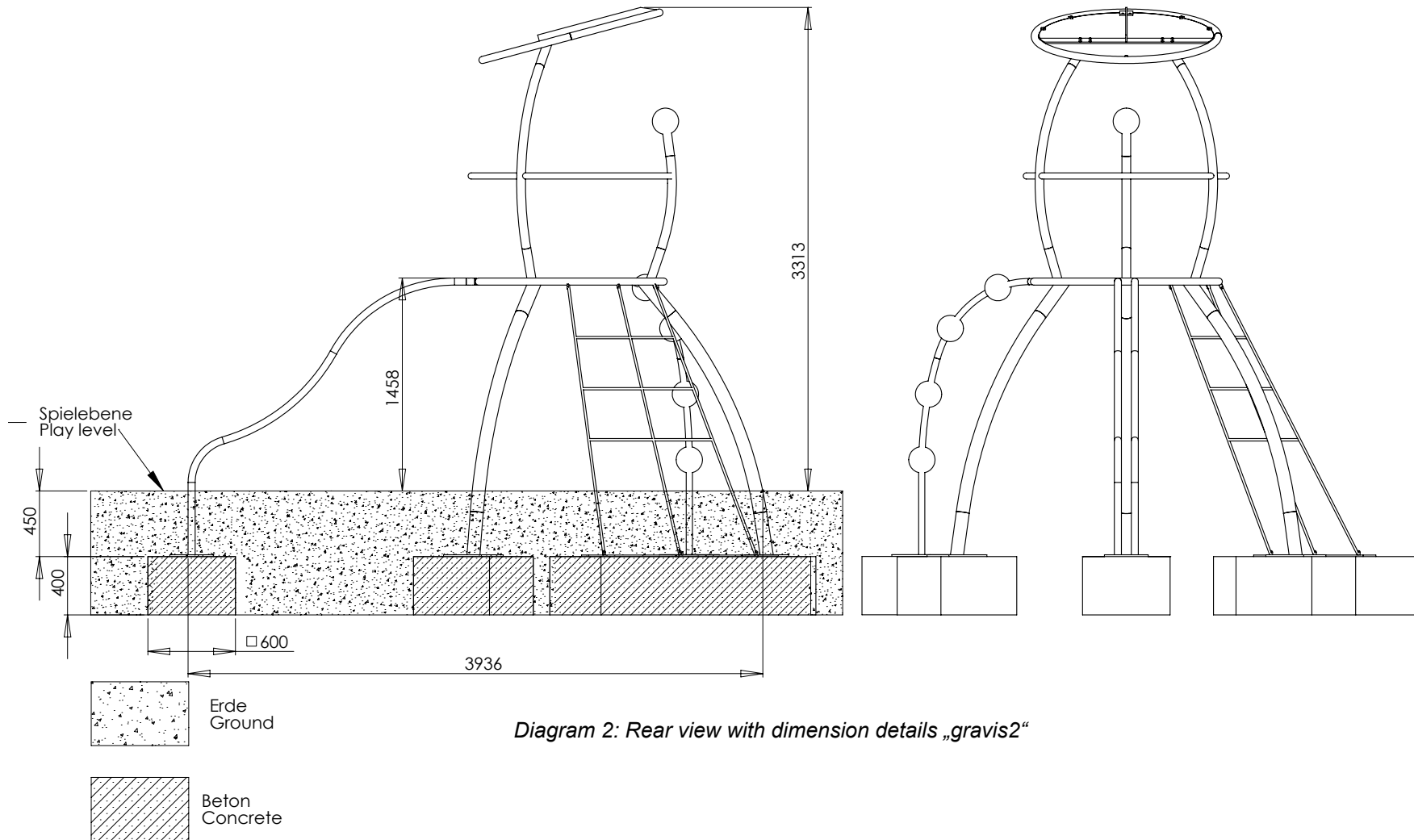
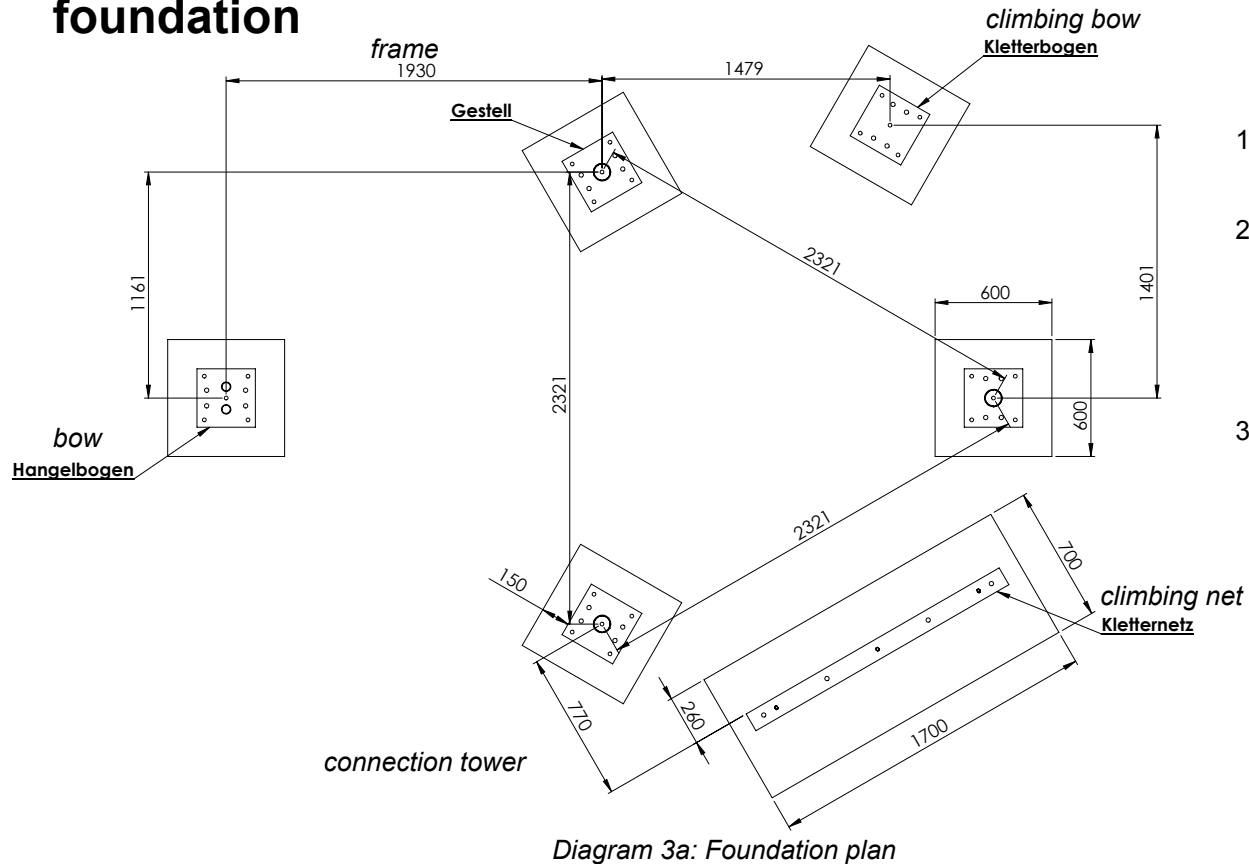


Diagram 1: Overall view of play equipment with description of individual elements

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# foundation



*Diagram 3a: Foundation plan*

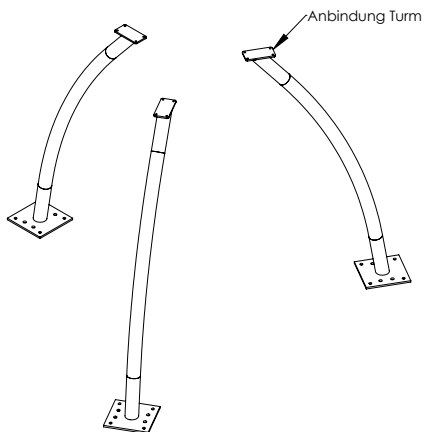


Diagram 3b: Frame

1. Select the play equipment location in consideration of the required safety area (see Diagram 4: 6314mm x 6960mm).
2. Carry out excavation work for foundation as shown in Diagram 2a and 3a. After excavation, compress the foundation floor.  
**Note:** Cover the foundation holes with the safety cover required for the height of fall indicated. The combination equipment is built in on the play level. Pay attention to items marked „game level” of play equipment!
3. Set up the 5 main concrete foundations (LxWxH 600 x 600 x 400 mm) and the slide foundation (LxWxH 1700 x 700 x 400 mm) acc. to the dimensions indicated in diagram 2a in the quality class C 20/25.

### Reinforcement plan:

Concrete foundation with reinforcement

Main foundation: BSt 500S

Ever 4 stirrups Ø 8 mm lengthwise and cross

Concrete cover  $h' = 3 \text{ cm}$

Concrete quality class C 20/25

Foundations for attachment parts are no-reinforced

4. After a setting period of 10-14 days, depending on weather conditions and foundation size - clean the surface of the foundations and start with the installation of the combination equipment.
5. Connect the tower at the intended locations acc. to the Diagram 1,3a and 5. Please fasten the parts using the screws including in the delivery.

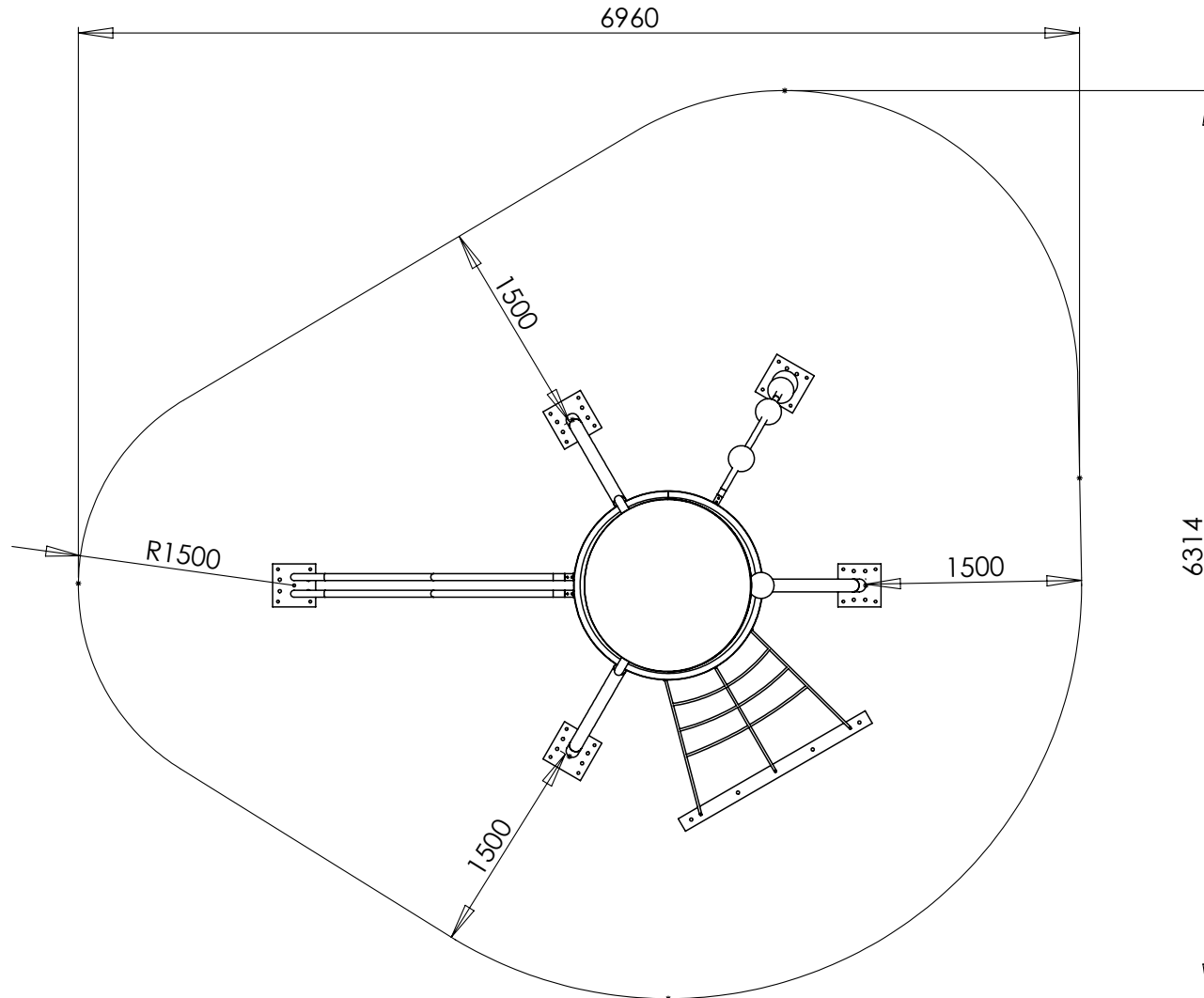


Diagram 4: safety zone

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## Delivery contents and addition of the single elements

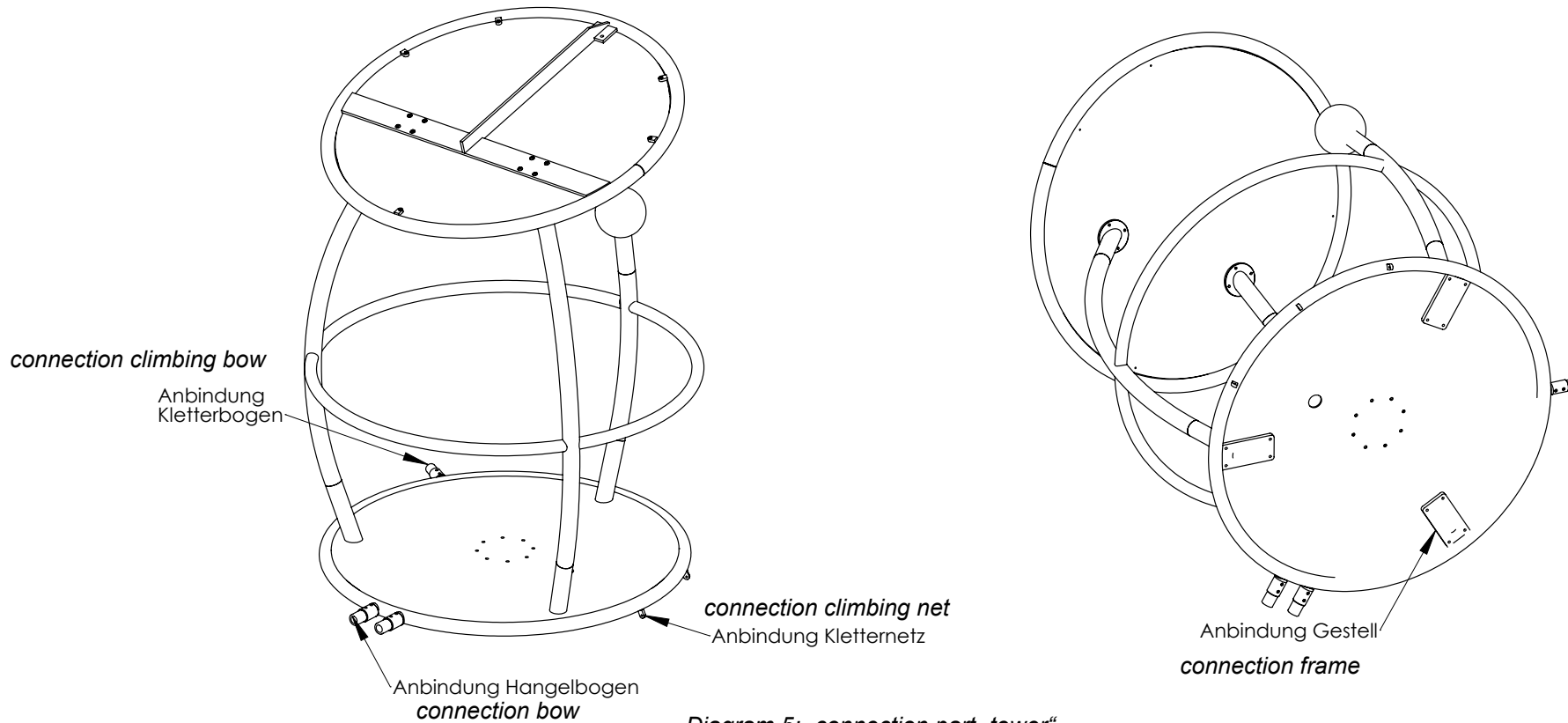


Diagram 5: „connection part „tower“

6. Place the pre-assembled tower as shown in the overview and in the Diagram 2a and 3a on the main foundation and do a rough aligning.

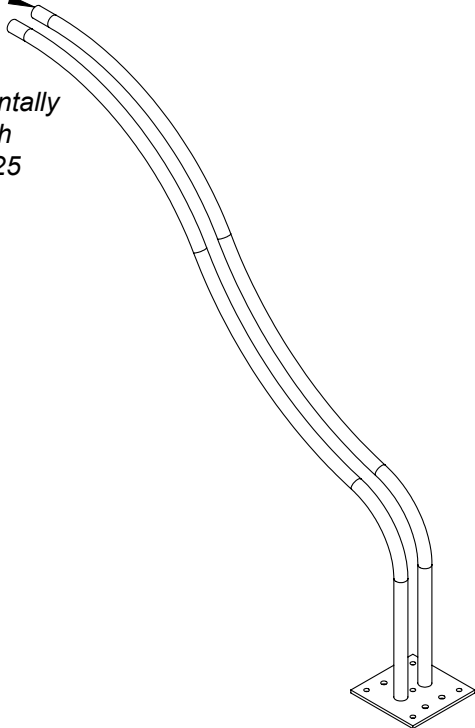
**Note: Do not screw the base plates onto the foundations yet!**

# Mounting instructions for multiplay equipment „gravis2“

## Delivery contents and addition of the single elements

Rohrenden horizontal aufgesteckt  
an Gravis2 Turm und mit Linsenkopfschrauben  
M8x25 verschrauben

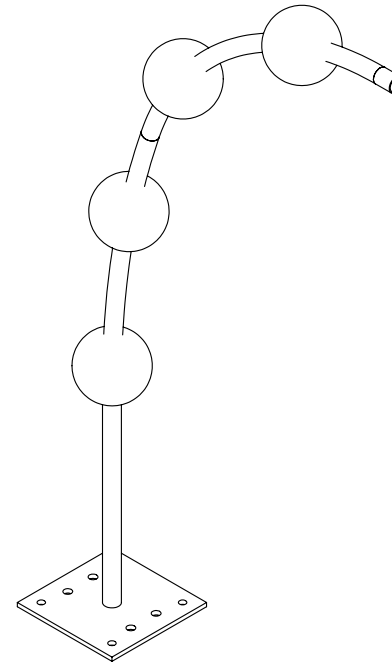
*Rack the pipe ends horizontally  
at the tower and screw with  
cheese-head screws M8x25*



*Diagram 6: connection part „bow“*

Rohrende aufgesteckt  
an Gravis2 Turm und mit  
Linsenkopfschrauben M8x25  
verschrauben

*Rack the pipe end horizontally at  
the tower and screw with cheese-  
head screws M8x25*



*Diagram 7: connection part „climbing bow“*

7. Connect the tower at the intended locations acc. to the Diagram 1,3a and 5. Please fasten the parts using the screws including in the delivery.
8. Connect the other modules (bow, climbing bow and climbing net) with the tower at the intended locations acc. to the Diagram 5-7. Please fasten the parts using the screws including in the delivery.

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3x shackles for M8 according to DIN 82101

3x Schäkel nach DIN 82101 für M8

L=2122mm

tower connection

L=2064mm

Herkulestau ø16

L=2122mm

L=800mm

L=890mm

L=982mm

hook onto floor plate

3x Schäkel nach DIN 82101 für M8

3x shackles for M8 according to DIN 82101

9. Connect the climbing net with the tower at the intended locations acc. to the Diagram 2 and 8 and place the flat steel on top of the foundation. Please fasten the parts using the screws including in the delivery.
10. Align the play equipment more on the foundations.  
**Note:** The climbing net should be placed with tension.
11. Drill holes into all foundations and screw the play equipment into the foundations with the included heavy-duty dowels.

12. Seal the foundation with the safety cover required for the height of fall indicated.

**Critical drop height: 1500 mm.**

Recommended surface material: sand, bark mulch, gravel, synth. fall protection.

13. After 3 months, check the screws at the joints and retighten them if necessary.
14. Do not allow children to use the equipment before the installation has been finished.  
**Attention:** If the play equipment has been incompletely installed or partly dismantled when carrying out maintenance and repair work, this may lead to particular risks of injury for the user. For this reason, make clearly visible that the equipment shall not be used in such cases.

# Mounting instructions for multiplay equipment „gravis2“

**NOTE:** Play equipment, which contain components made of stainless steel should not come with „normal“ steel parts in contact. Those steel parts may rub off and leave small steel particles in combination with moisture brown rust stains. If such corrosion occur on stainless steel parts, they are fine to remove with an abrasive (240 grit).

Please take care when transporting and setting up the fact that the components are made of stainless steel with no „normal“ steel parts in contact.

In order to preserve a good visual appearance of your stilum playground equipment over a long period one should take care of maintenance of the stainless surface even despite of their corrosion resistance. Especially areas, which can not be reached by rainfall, should be frequently cleaned from dirt and deposits due to air pollution and dirt caused by the atmosphere. Light soiling can easily be removed by using a high pressure cleaner. For persistent deposits use a clean cloth moistened with a special liquid cleaner (e.g. on phosphoric acid) and rinse off with clear water after a short application time. During cleaning with mild abrasive components, only wipe over stainless steel surface in polishing direction. For heavily soiled surfaces, polishes can be used (e.g. for cleaning chrome on cars) or for greasy and oily dirt alcoholic cleaning agents and solvents (e.g. ethyl alcohol, isopropyl alcohol or acetone). However, it should be noted that the dissolved soiling is not spread over the surface again. Do not use any chloride or hydrochloric containing cleaning products nor scouring powder, bleaching - or silver polish cleaner. Cleaning intervals depend on type and degree of soiling as well as on demands made on optical characteristics. Therefore cleaning is advisable at intervals of six to twelve months – whereby in the case of strong soiling it is appropriate to clean the playground equipment at intervals of 3 to 6 months.