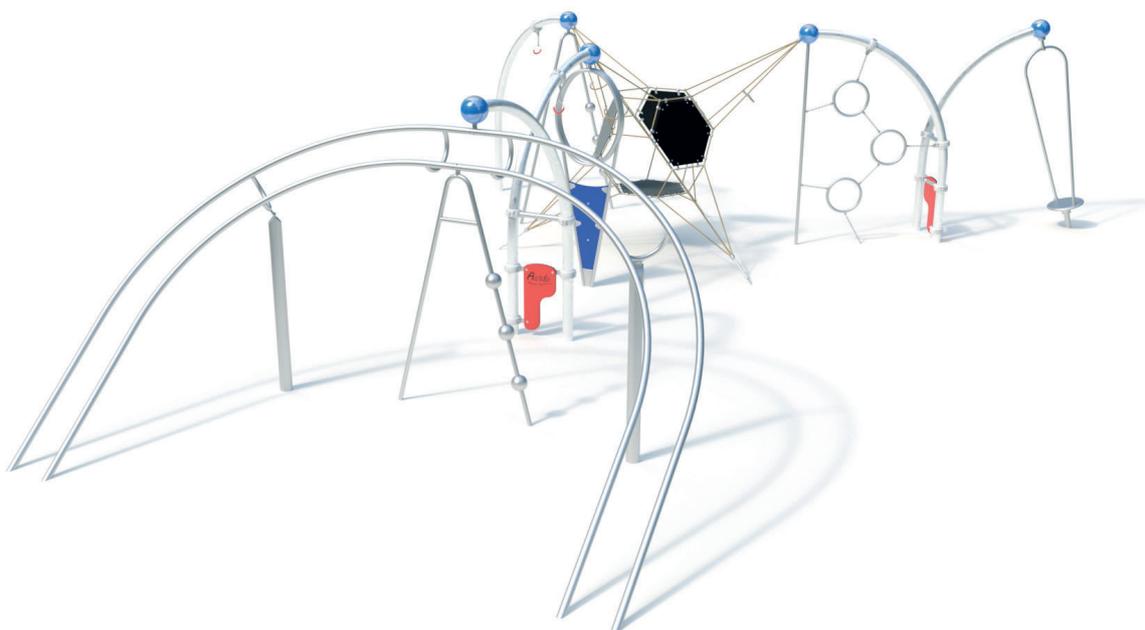




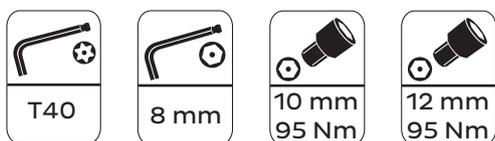
# INSTALLATION

0-27501-000

Actio 501



## Werkzeuge / tools



Kaiser & Kühne



Kunde / customer

## Montageanweisungen Installation instructions

**DE**

1. Gerätestandort unter Berücksichtigung des Platzbedarfs (Aufprallfläche) festlegen.
2. Bodenaushub für Fundamente nach Zeichnung vornehmen. Bitte beachten Sie: Für eine stand-sichere Montage werden mittelschwer lösbare Bodenarten vorausgesetzt.
3. Ca. 10 cm dicke Grobkiesschicht als Drainschicht zwischen Unterseite der Standpfosten und der Fundamentsohle einbringen.
4. Rohrbogenstütze in das jeweilige Fundamentloch stellen.
5. Bauteile lose verschrauben.
6. Zum Einbauen der vormontierten Bauteile bzw. Einzelteile müssen die Schrauben mit der gelie-ferten Montagepaste leicht gefettet werden. Erst nach dem Ausrichten alle Schrauben fest anziehen.
7. Fundamente mit Stampfbeton C20/25 füllen, und mit einem Bodenmaterial abdecken, dessen kritische Fallhöhe größer gleich der maximalen freien Fallhöhe ist (s. EN 1176-1).
8. Freigabe zum Bespielen erst nach Abbinden der Betonfundamente.
9. Alle Schraubverbindungen gemäß Wartungs-anleitung nach 4-5 Wochen überprüfen und ggf. fest nachziehen.

Alle mit dem Gerät gelieferten Spezialwerk-zeuge (z.B. Innensechskant- Schlüssel für gesicherte Schrauben etc.) sowie alle gerä-tespezifischen Unterlagen, die für das Sicherheitsmanagement nach EN 1176-7 wichtig sind oder sein könnten wie z.B. Rechnung, Lieferschein oder Auftrags-bestätigung, Montageanleitung und Wartungsanleitung im Original oder in einer Kopie an die zuständigen Stellen weiterleiten.

### Bitte beachten Sie:

Um einen sicheren und unfallfreien Spielbetrieb mit diese Gerät zu gewährleisten, müssen die im Wartungsplan aufgeführten Tätigkeiten unbed-ingt ausgeführt werden.

Vor dem Anziehen der Schraubverbindungen unbedingt alle Anbauteile einsetzen. Ein nach-trägliches Einsetzen ist NICHT möglich!

**GB**

1. Assign a device location considering the space requirements (impact area).
2. Excavate soil for foundations, according to drawing. Please note: To achieve maximum stability and a safe installation, a moderate level of soil solubility is required.
3. Pour in a drain layer of gravel of approx. 10 cm thickness between the bottom of the posts and plain base of foundation.
4. Place posts into the respective foundation hole.
5. Gently tighten component parts.
6. For installation of the pre-assembled components and/or single parts, the screws slightly have to be lubricated with installation paste! Tighten all screws after having aligned all components.
7. Grout foundations with compressed concrete C20/25, cover the foundations with a surface which meets the requirements for impact attenuation so that the critical fall height of the surfacing is equal to, or greater than, the free height of fall of the equipment (acc. to EN 1176-1).
8. Release for play after concrete foundations have set.
9. According to maintenance instructions, check all screw connections after 4-5 weeks and retighten, if necessary.

Please ensure that all special tools supplied (e.g. Allen key for secured Allen screws etc.) and all specific documents which are or may be useful for safety management acc. to EN 1176-7 (e.g. invoice, delivery note, order acknowledgement, installation instructions, maintenance instructions) are forwarded to the persons responsible.

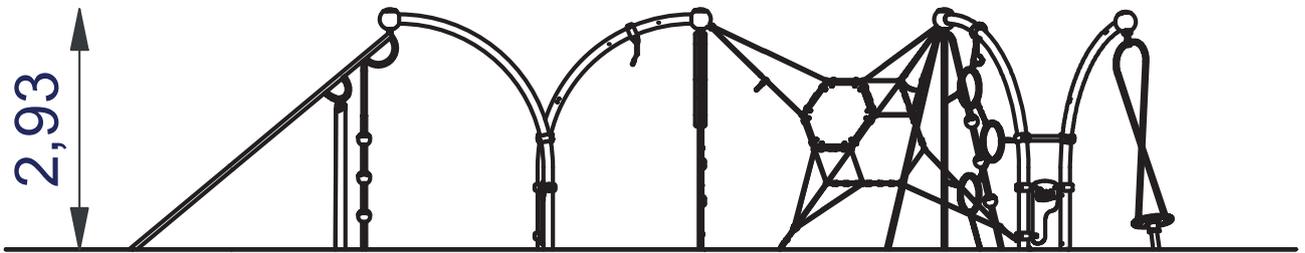
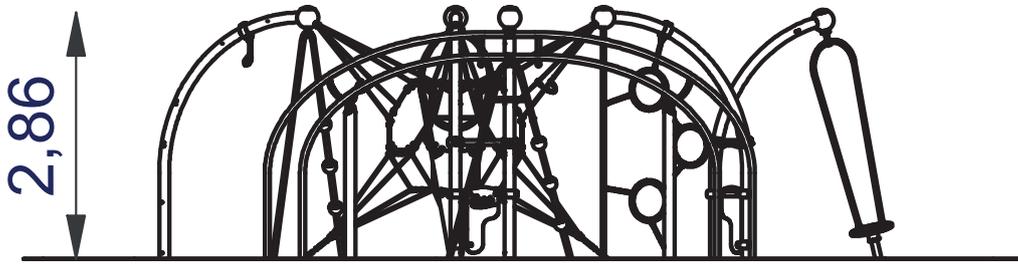
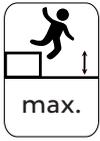
### Please note:

For safe playing circumstances without accidents, it is essential to execute the scale of operations listed in the maintenance schedule.

Necessarily insert all attachment parts before tightening the screws. It is NOT possible to insert them afterwards.

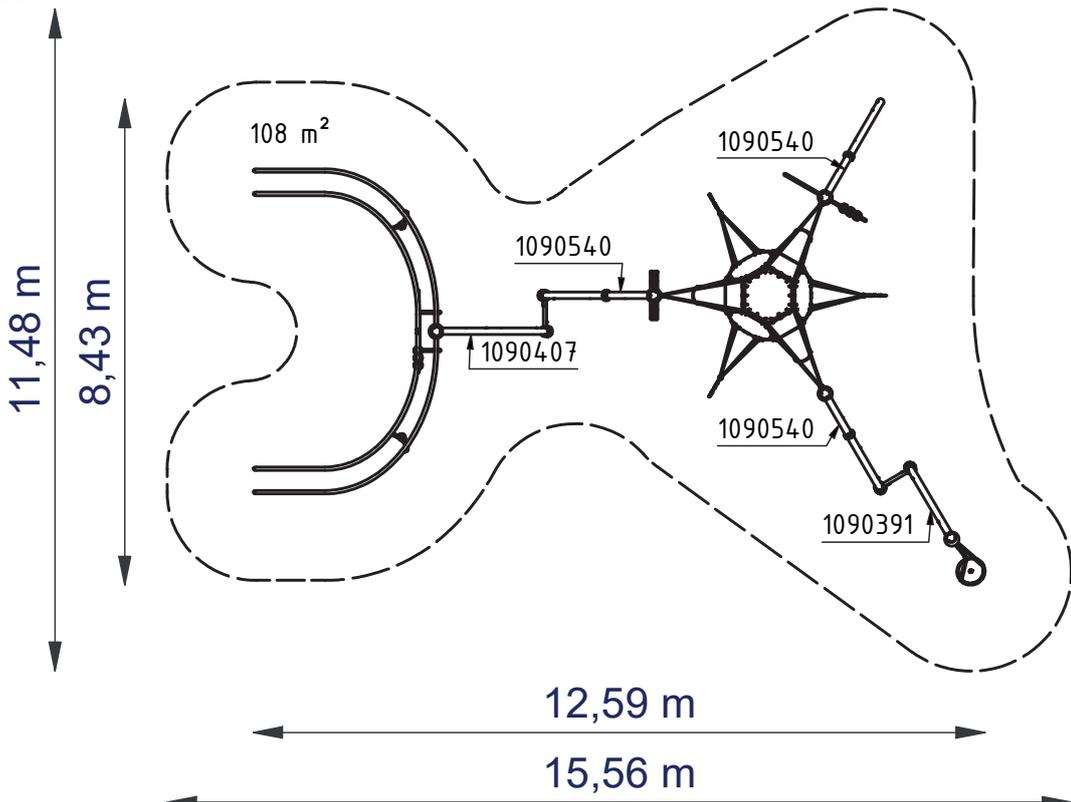
**Geräteraum  
space occupied by  
equipment**

8,43 x 12,59 x 2,93 m



**Mindestraum  
minimum space**

11,48 x 15,56 x 2,93 m



**Fundamentplan  
foundation plan**

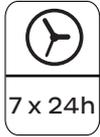
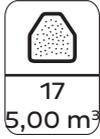


Fundamente (bauseits)  
Foundations (on site)

Betonbedarf (ca.)  
Concrete amount (approx.)

- A- 2x 1,70 x 1,00 x 0,50 m
- B- 2x 1,00 x 0,80 x 0,50 m
- C- 1x 1,30 x 0,50 x 0,50 m
- D- 12x 0,60 x 0,60 x 0,50m

5,00 m<sup>3</sup>



ATTENTION

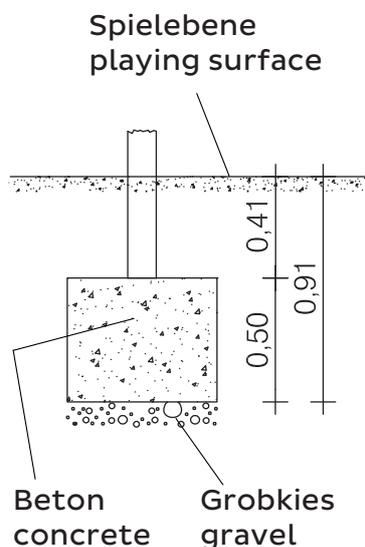


Zuerst alle Anbauteile einbauen, ausrichten und alle Schrauben anziehen. Danach Fundamente entsprechend den Darstellungen mit Stampfbeton C20/25 herstellen.

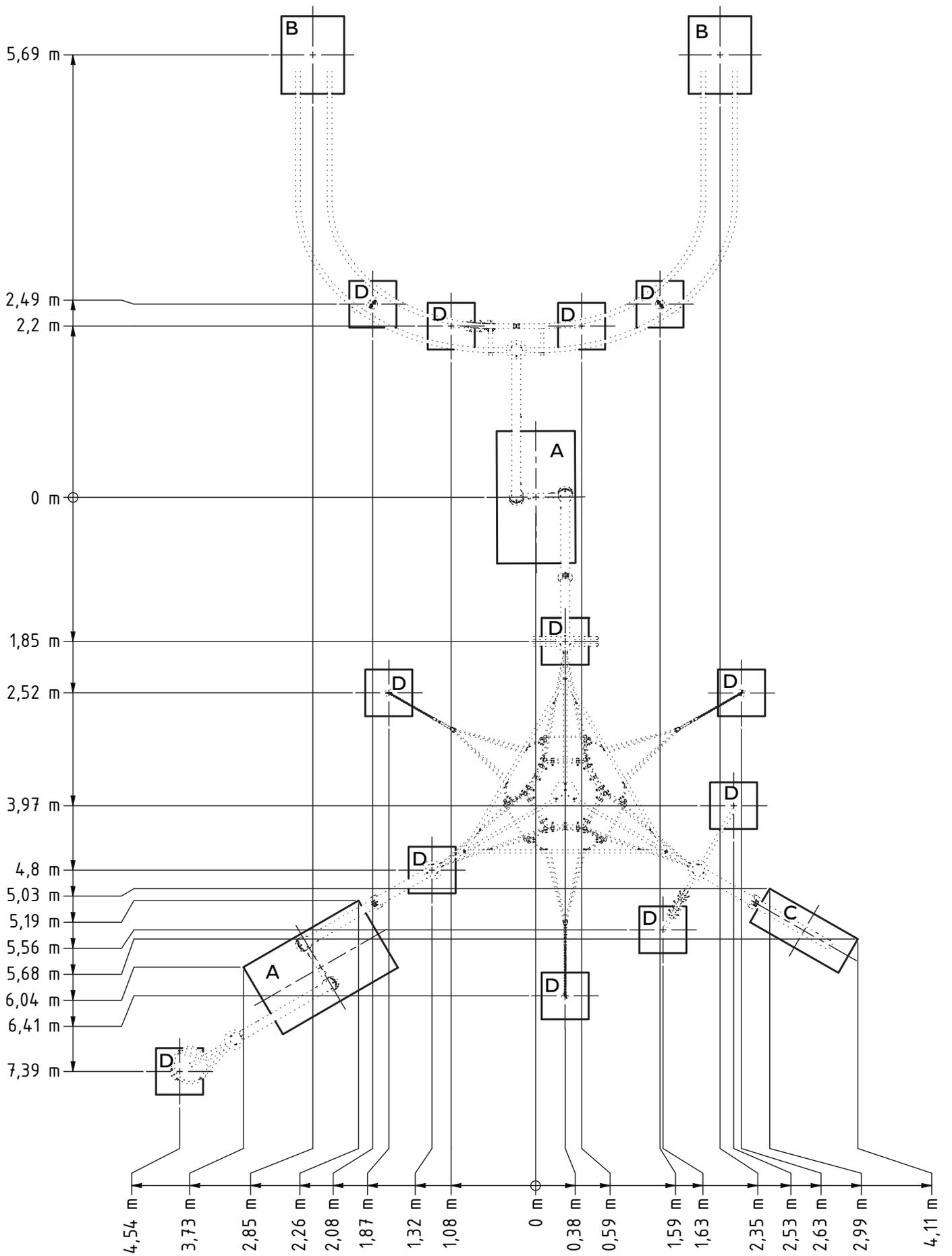
Bei Seilspielgeräten und Karussells gilt folgende Ausnahme: Die Montage der Seilelemente und Karussells erfolgt erst **nach** Abbinden der Betonfundamente.

First of all, install and align all components and tighten all screws. Afterwards, prepare foundations with compressed concrete C20/25 according to the graphics.

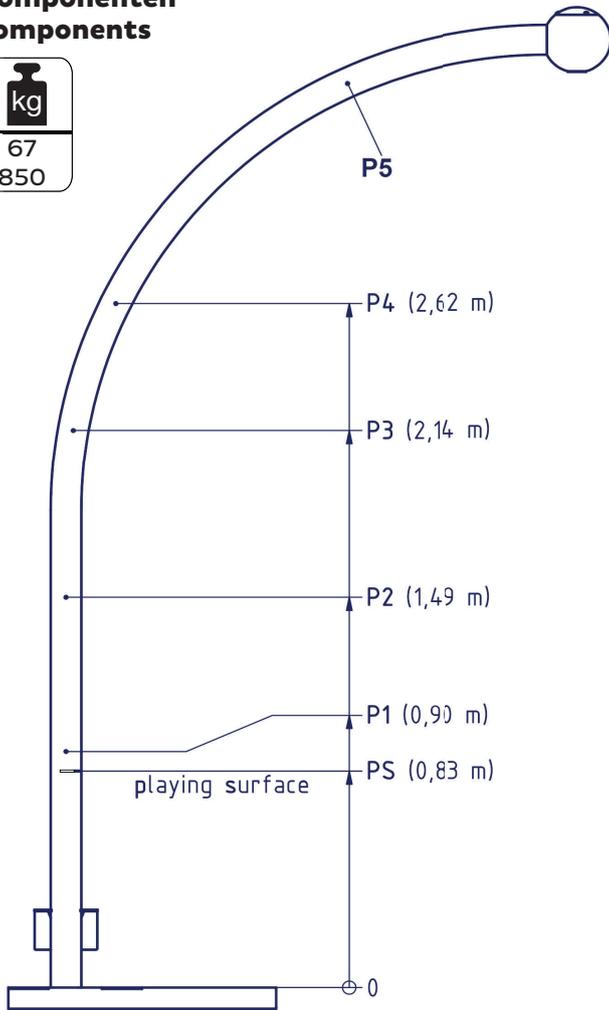
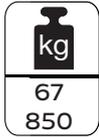
For rope play equipment and Carousels exception applies: the assembly of the rope elements and Carousels only takes places **after** concrete foundations have set.



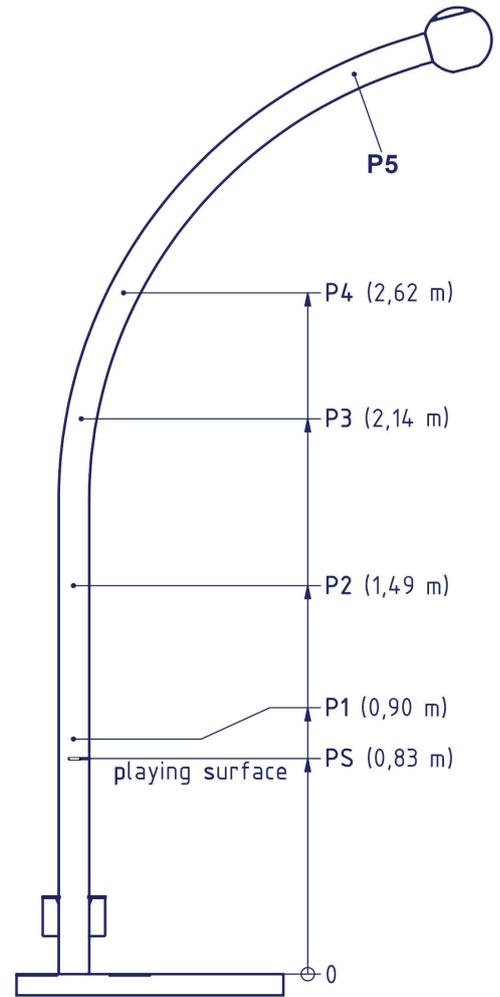
**Fundamentplan  
foundation plan**



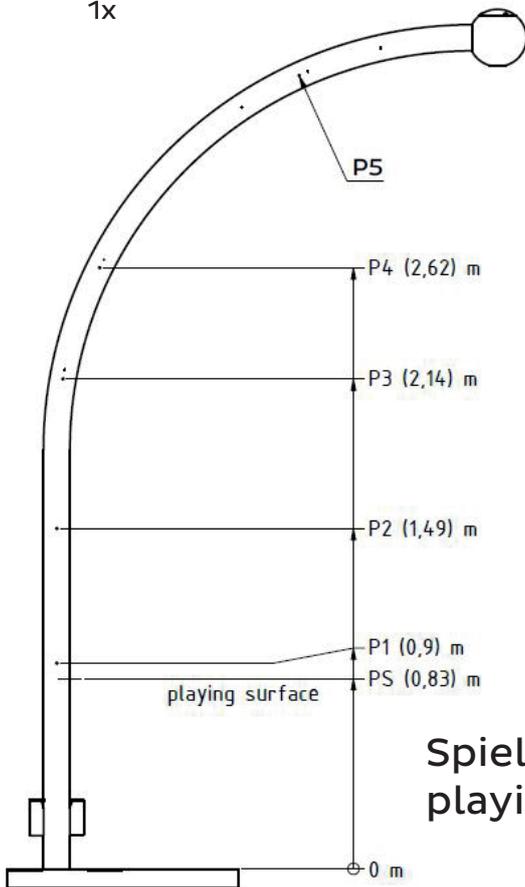
**Komponenten  
components**



Art.: 1090407  
1x



Art.: 1090391  
1x

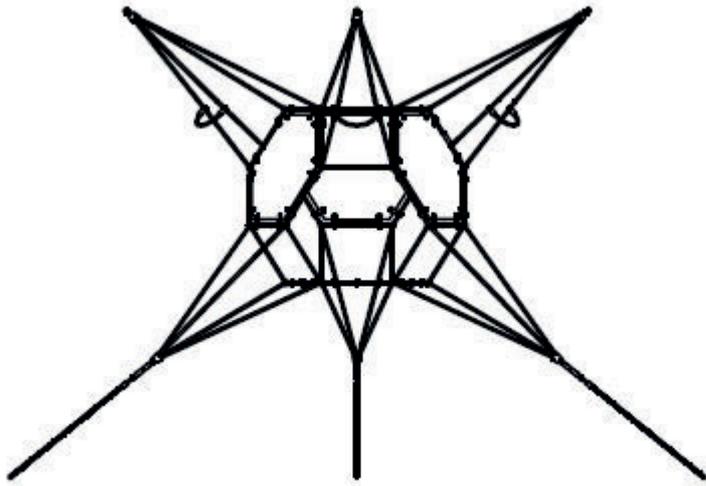


Art.: 1090540  
3x

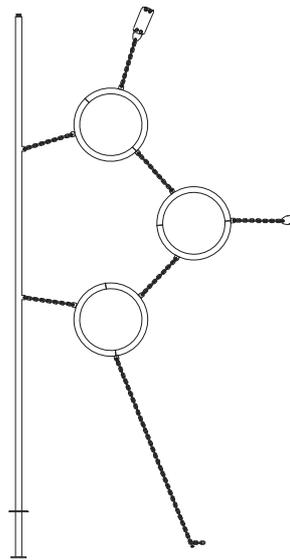
**Spielebene  
playing surface**



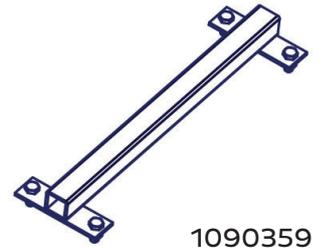
**Komponenten  
components**



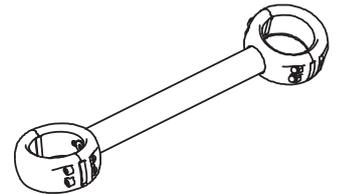
1090541  
1x



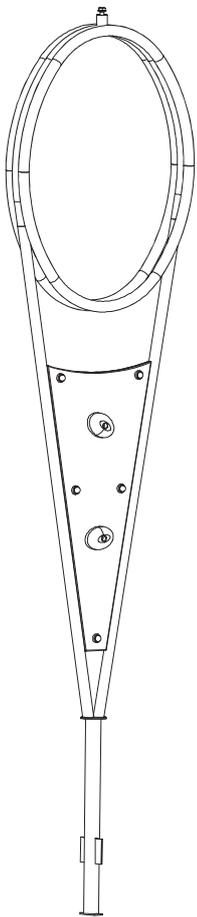
1090417  
1x



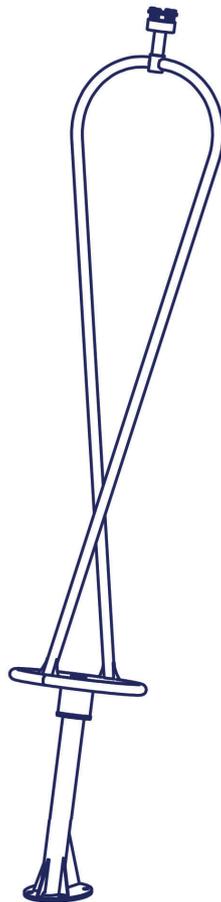
1090359  
4x



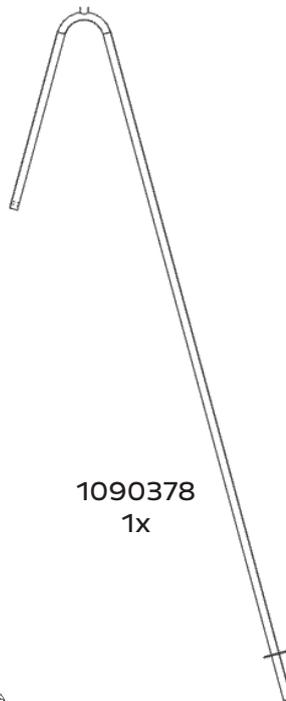
1090368  
2x



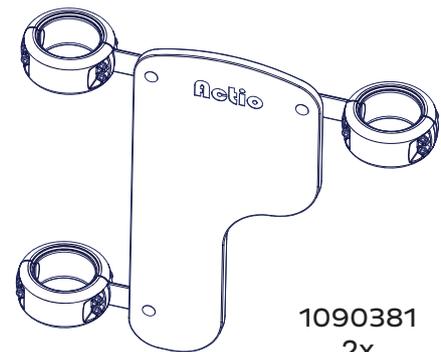
1090371  
1x



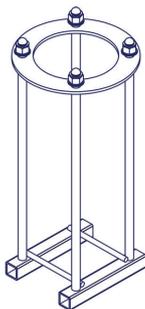
1090343  
1x



1090378  
1x



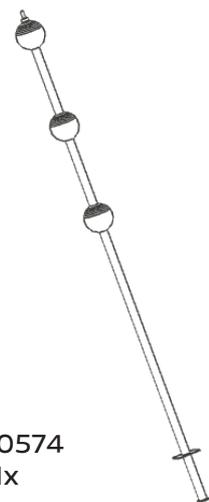
1090381  
2x



1090393  
1x

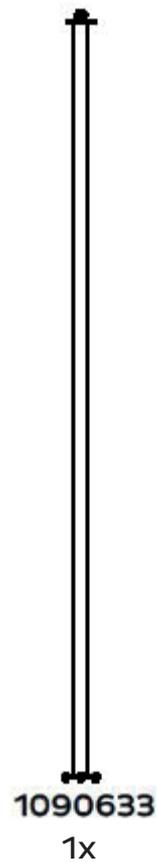
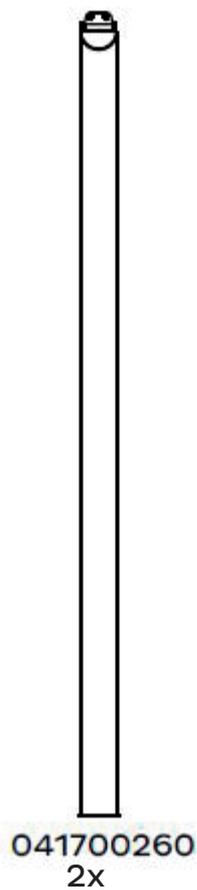
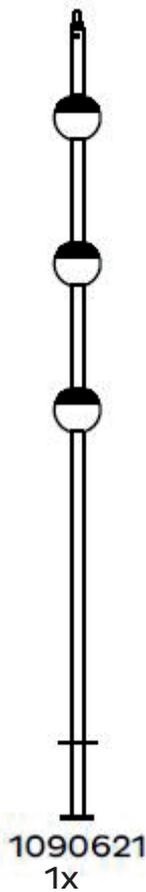
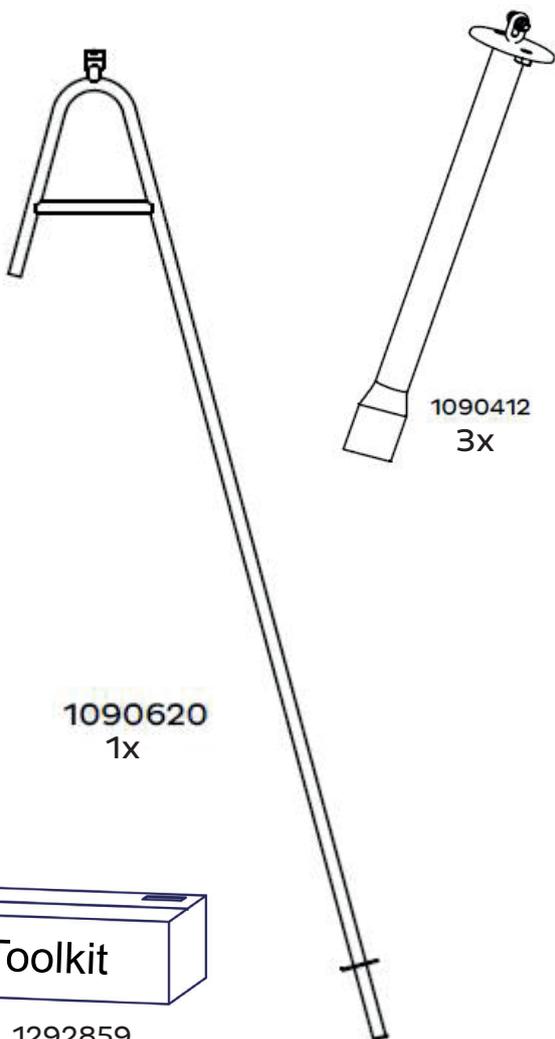
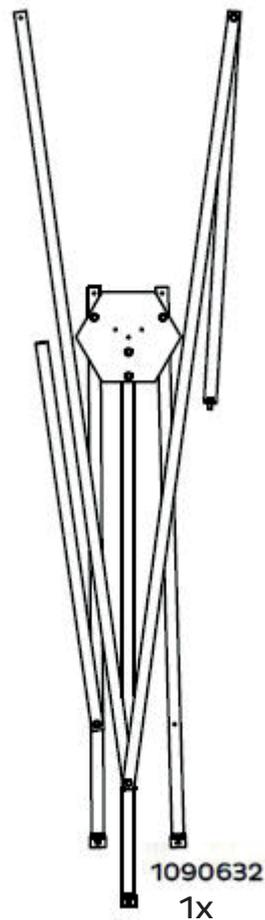
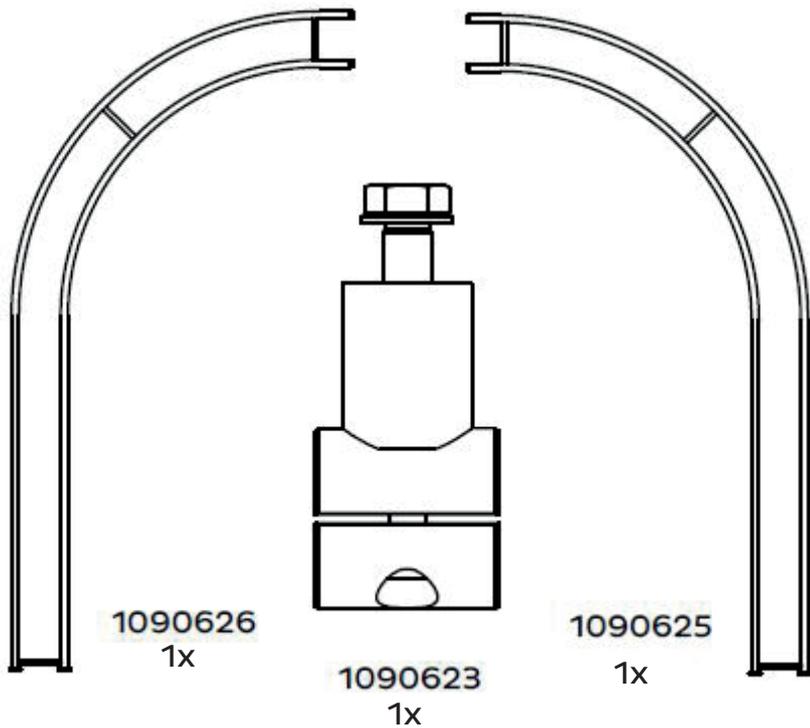


1090448  
2x



1090574  
1x

**Komponenten  
components**



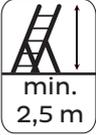
# Step 1



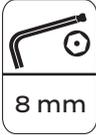
24 mm



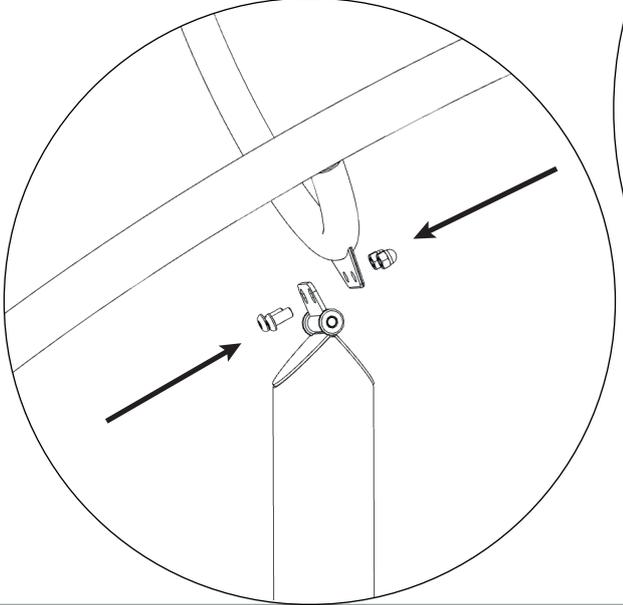
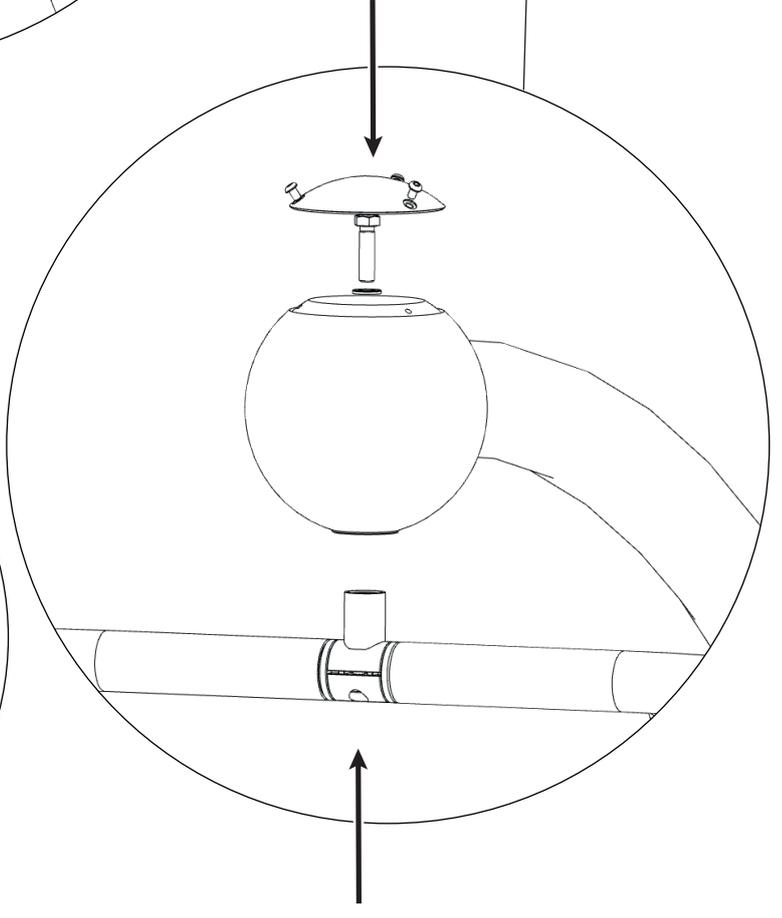
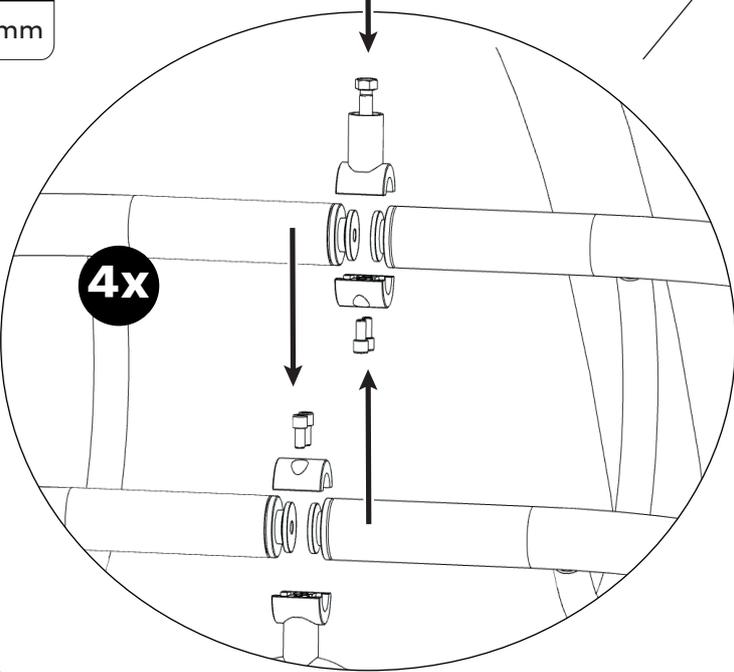
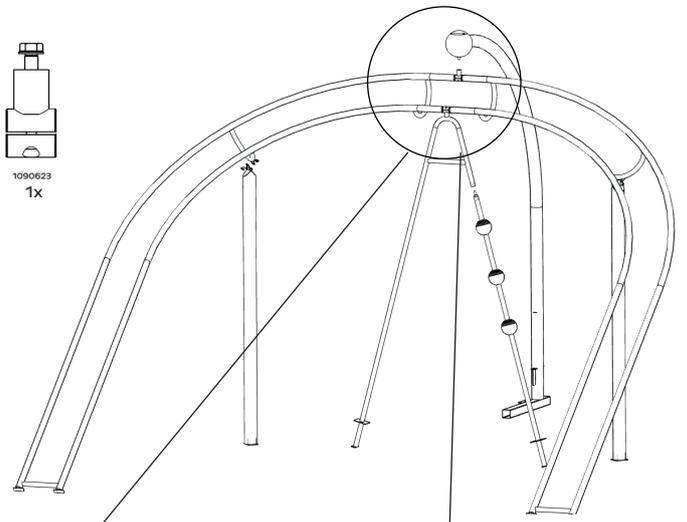
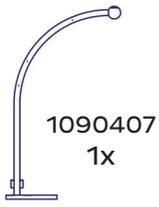
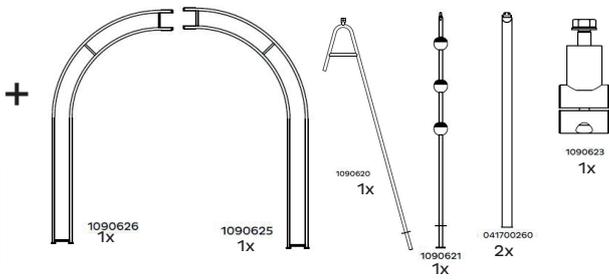
T40



min.  
2,5 m



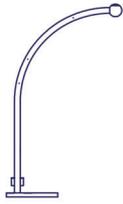
8 mm



**Step 2**



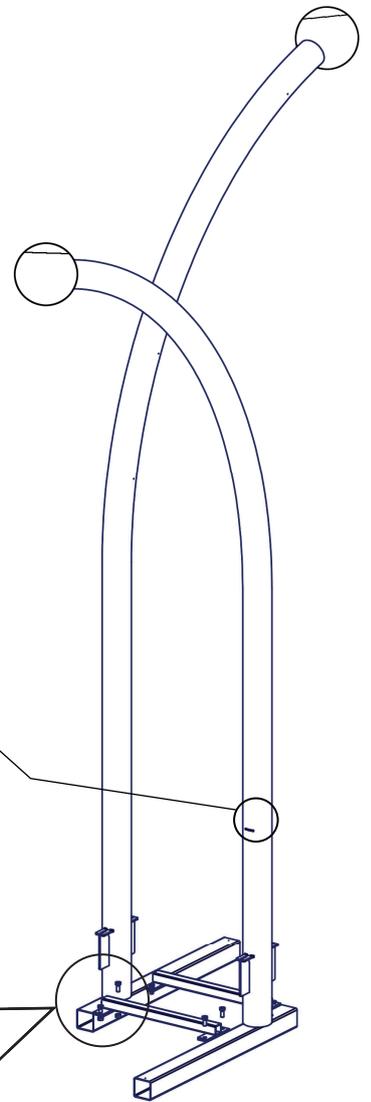
1090540  
1x



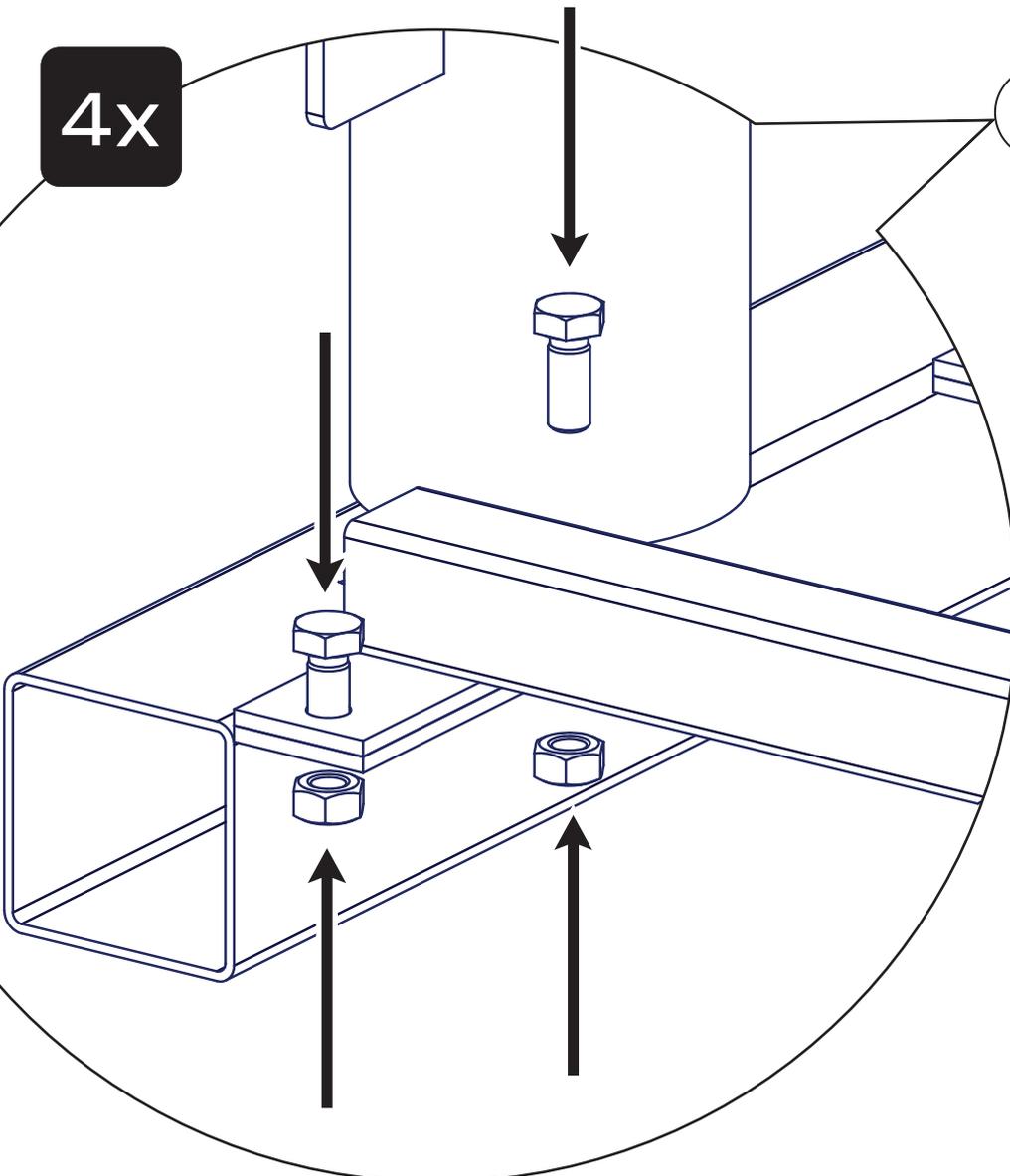
1090359  
2x



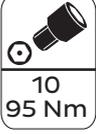
playing surface  
**ATTENTION**



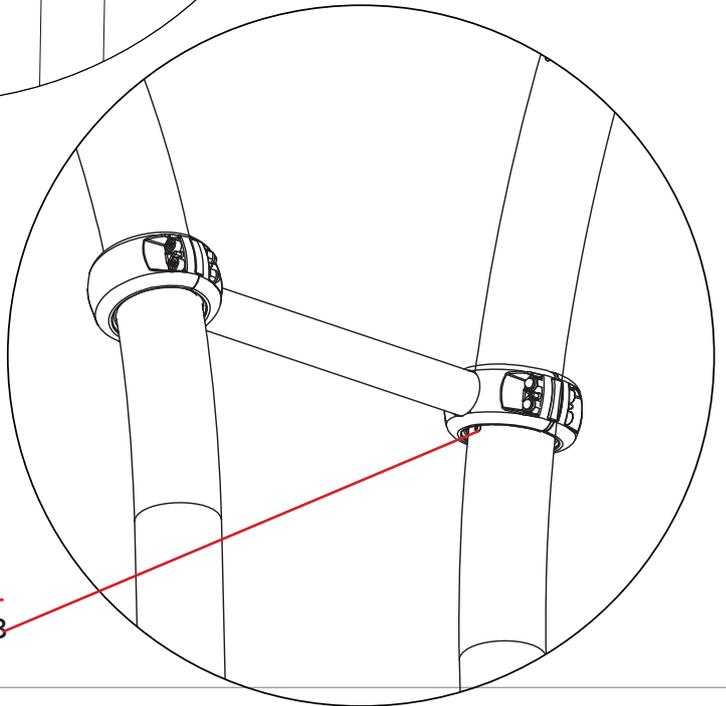
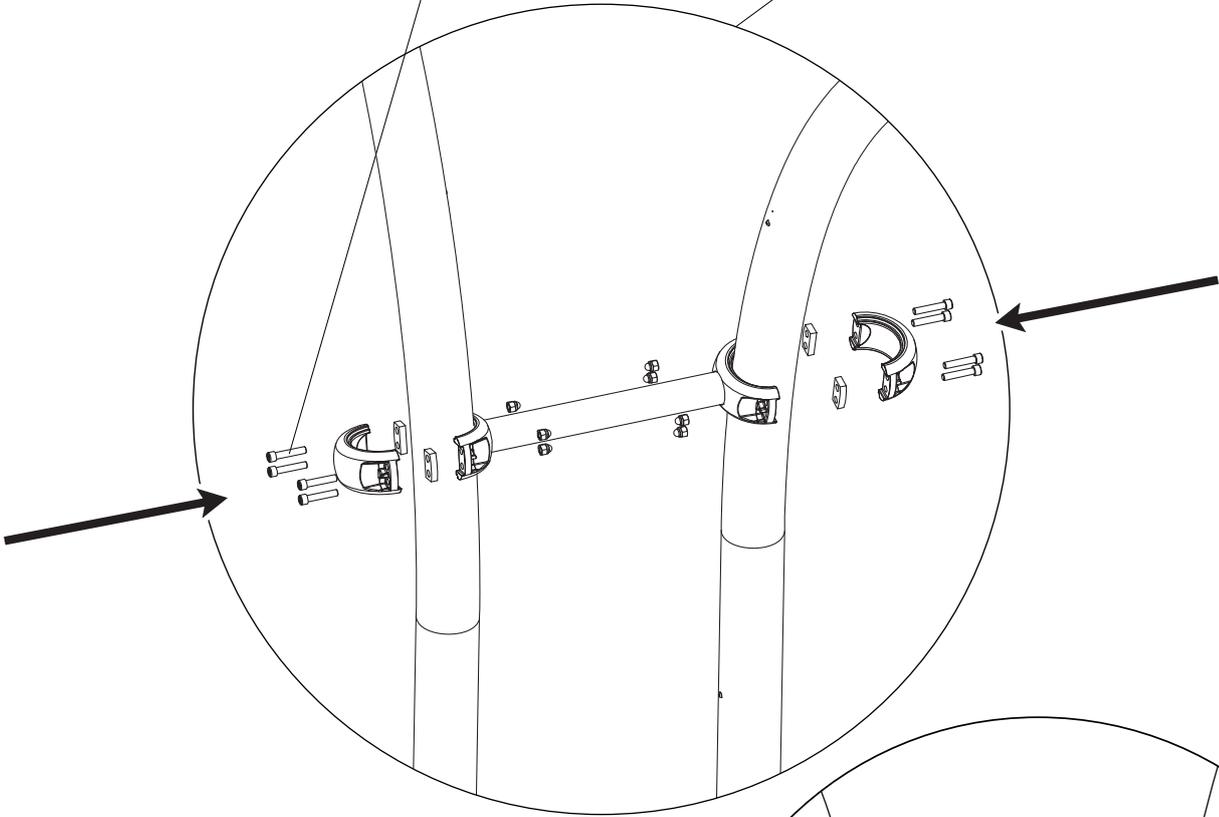
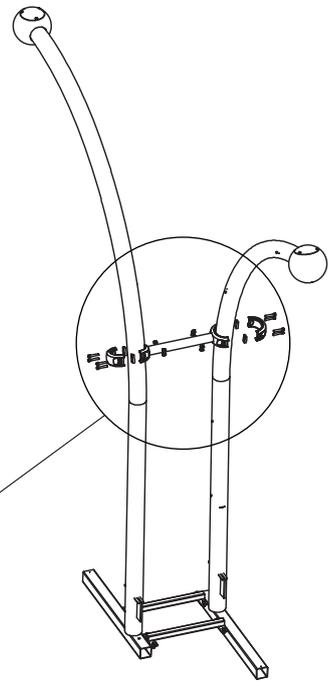
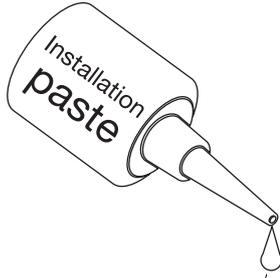
**4x**



**Step 3**



1090368  
1x



  
point level - P3  
**ATTENTION**

**Step 4**

10  
95 Nm

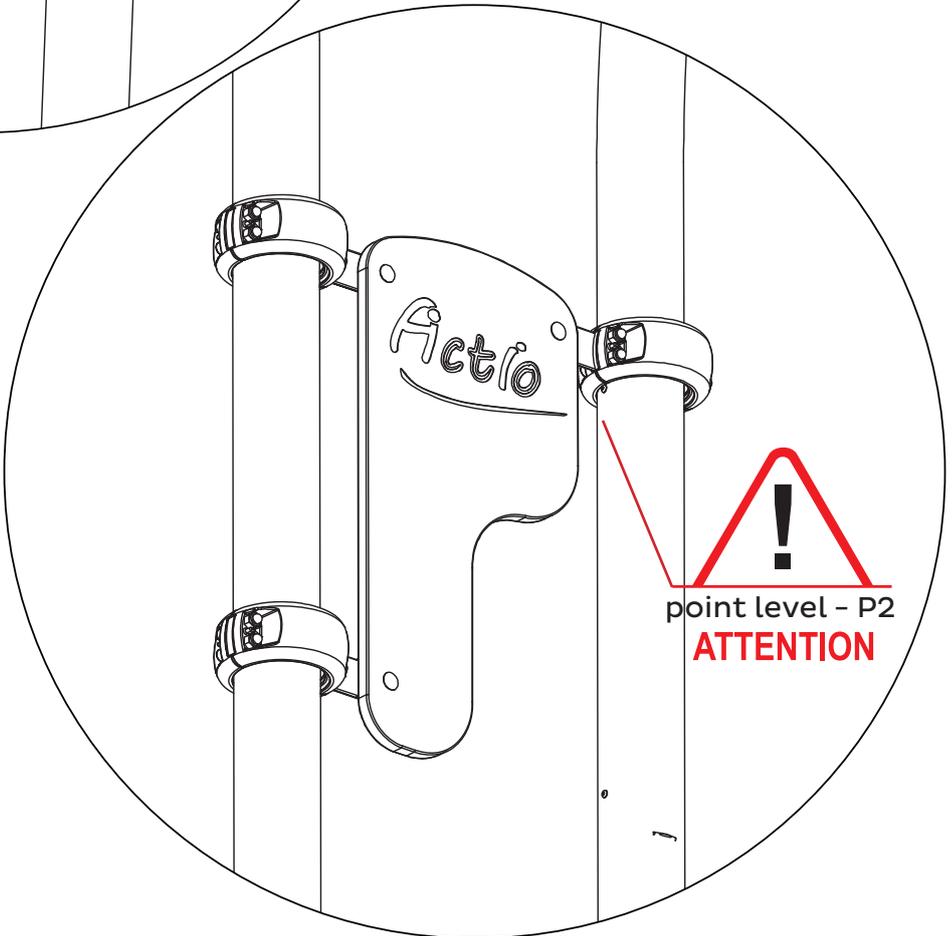
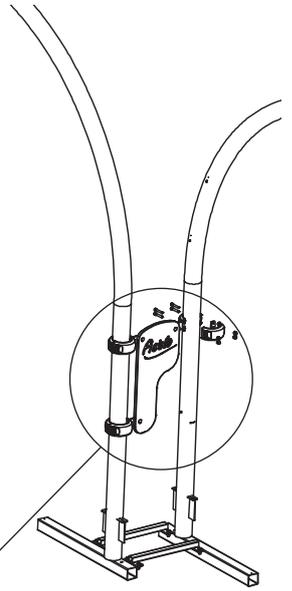
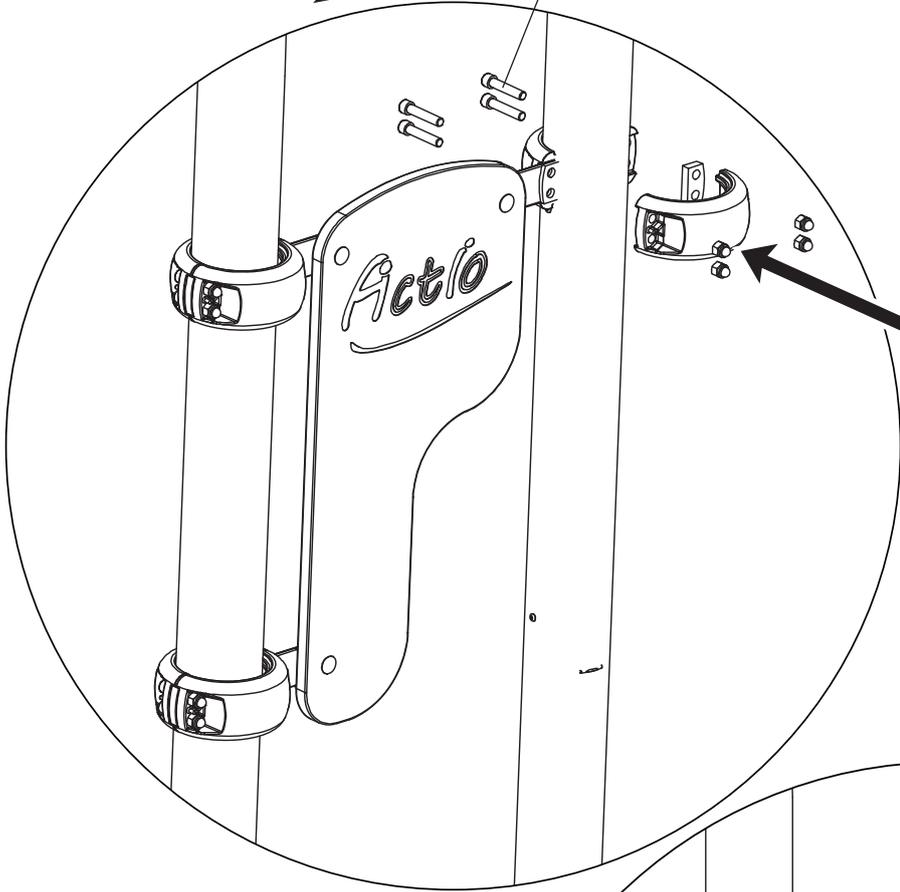
+



1090381  
1x



12x



# Step 5



24 mm



min. 2,5 m

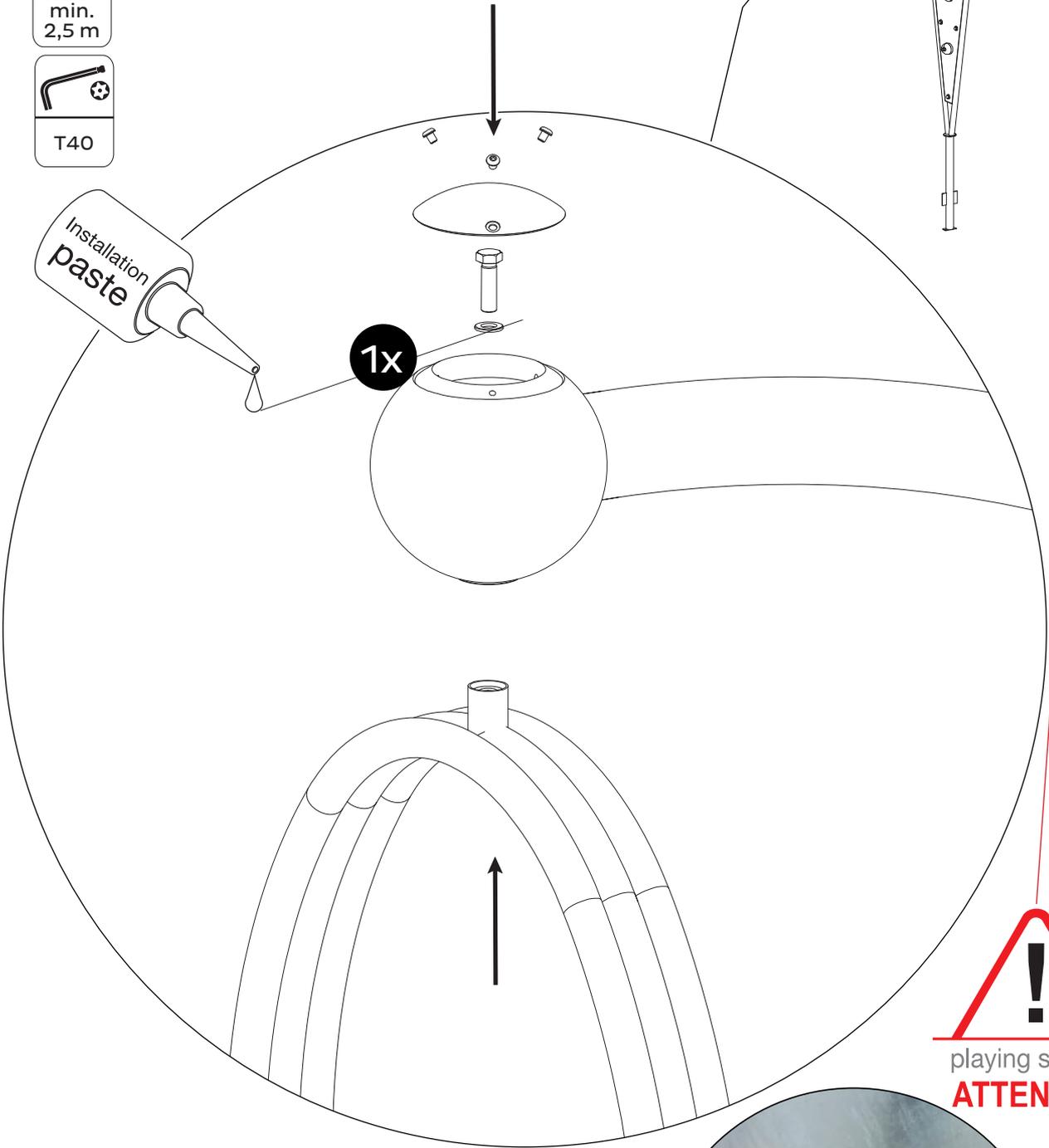


T40

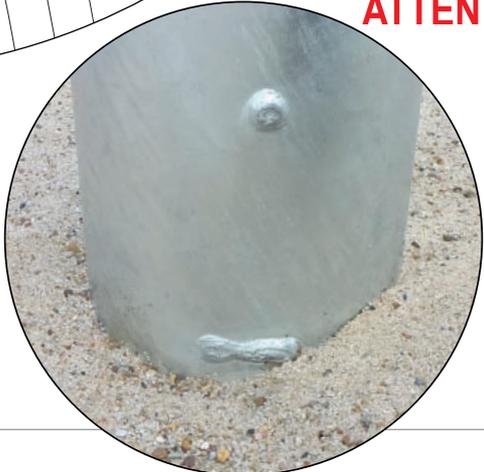
+



1090371  
1x



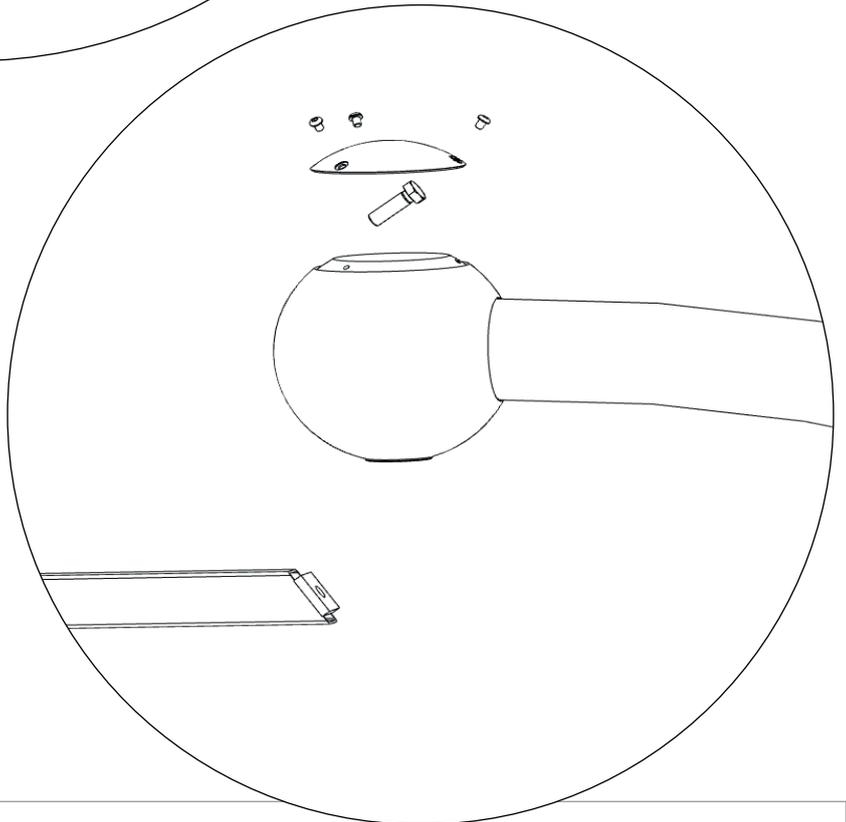
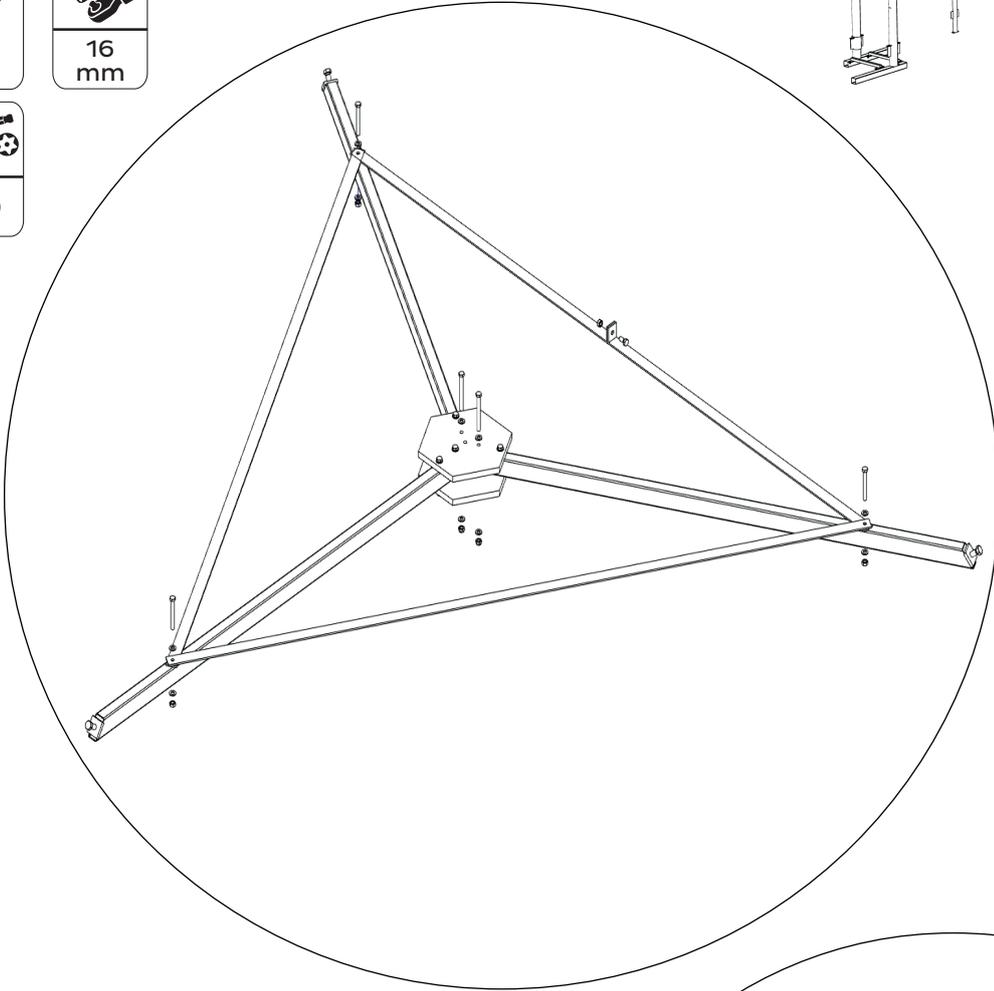
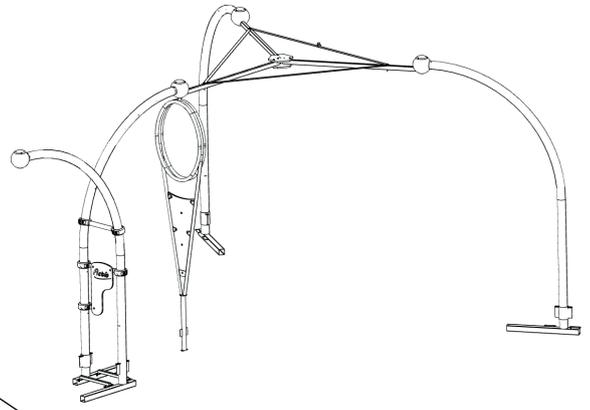
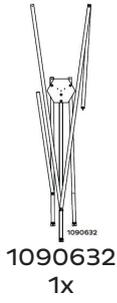
playing surface  
**ATTENTION**



# Step 6

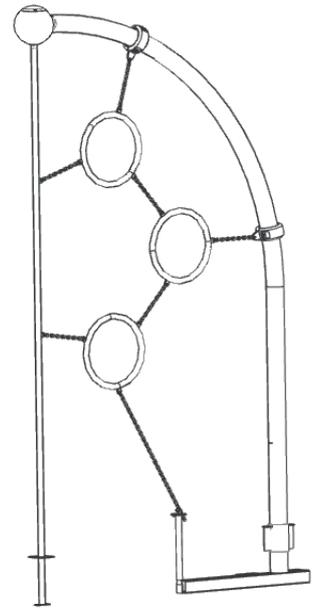
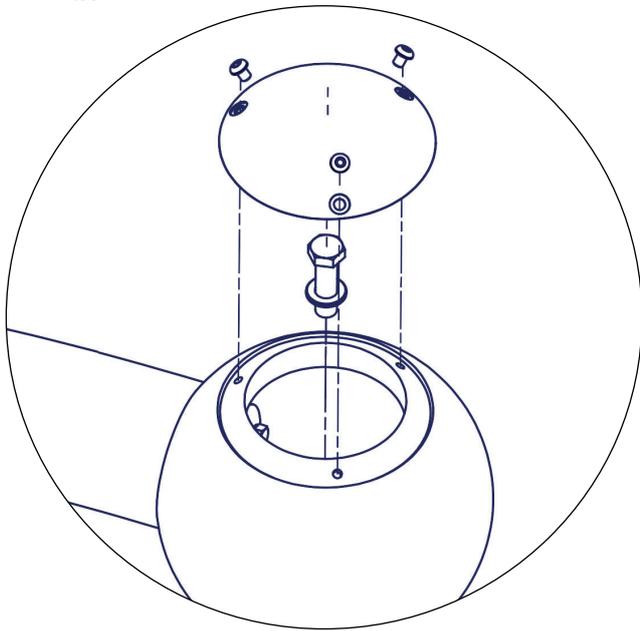
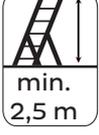
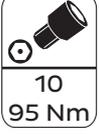


+

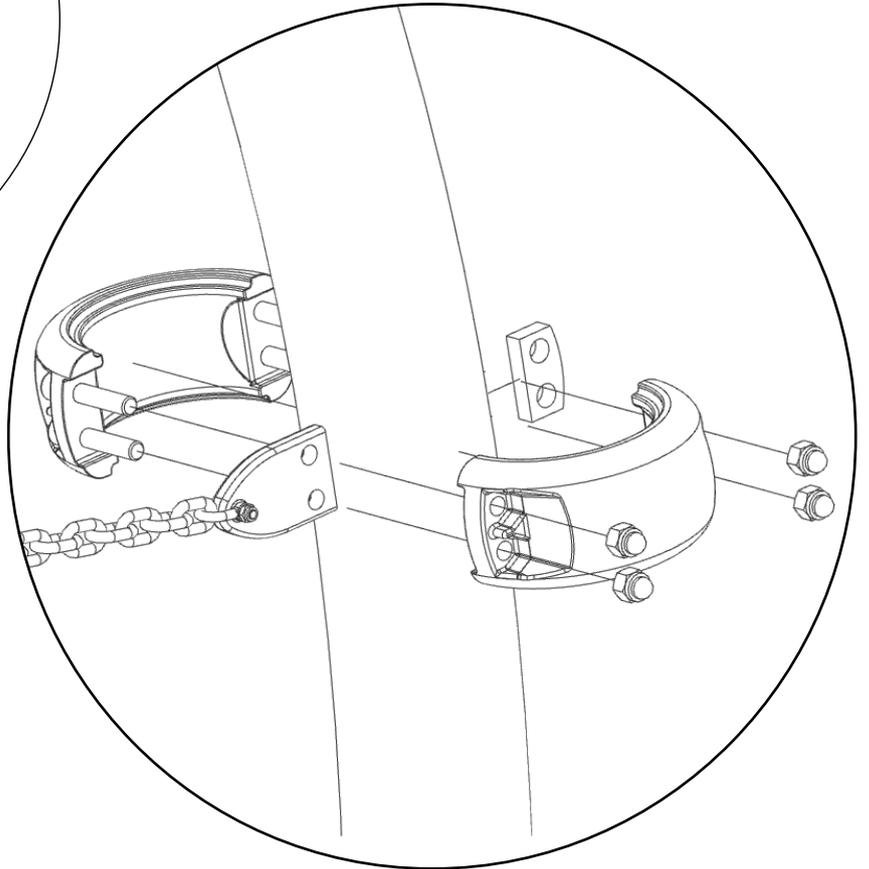
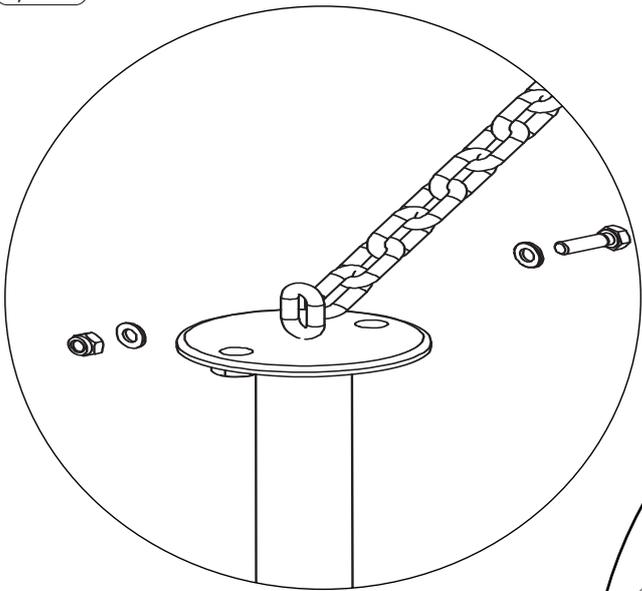


# Step 7

+  
1090417  
1x



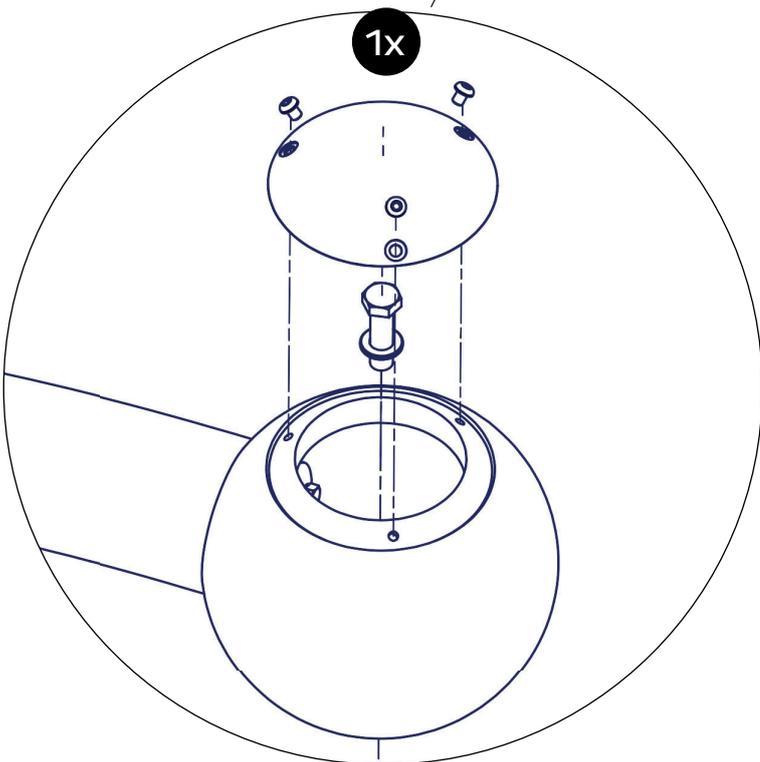
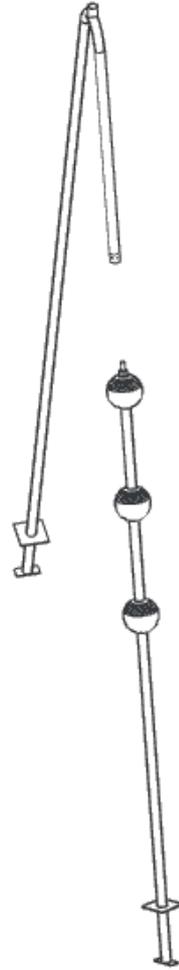
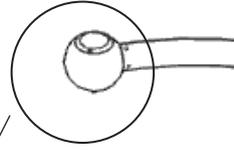
point level - P3 & P5  
**ATTENTION**



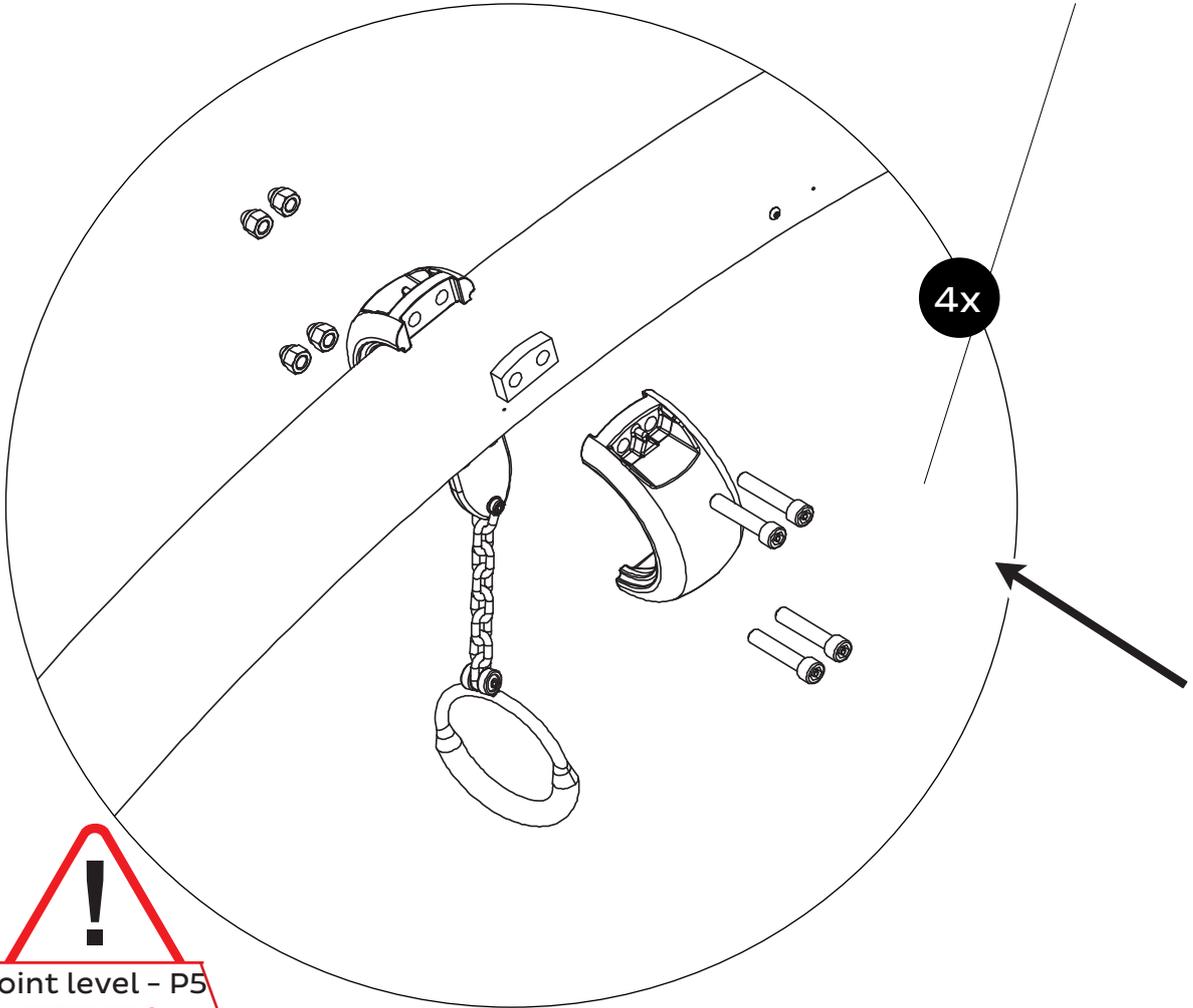
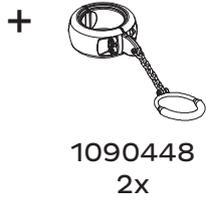
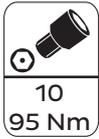
# Step 8



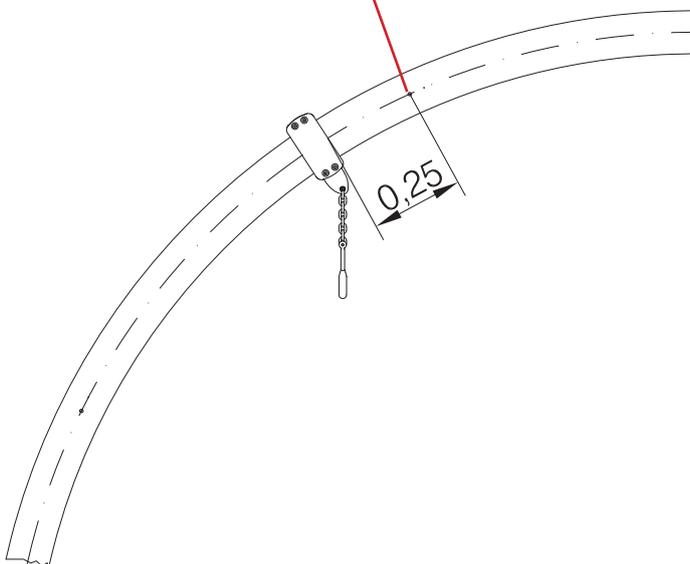
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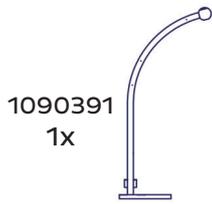
**Step 9**



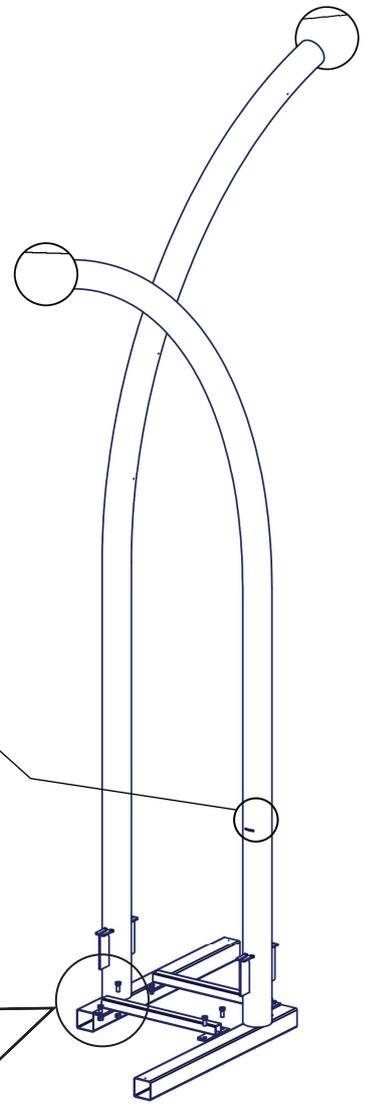
!  
point level - P5  
**ATTENTION**



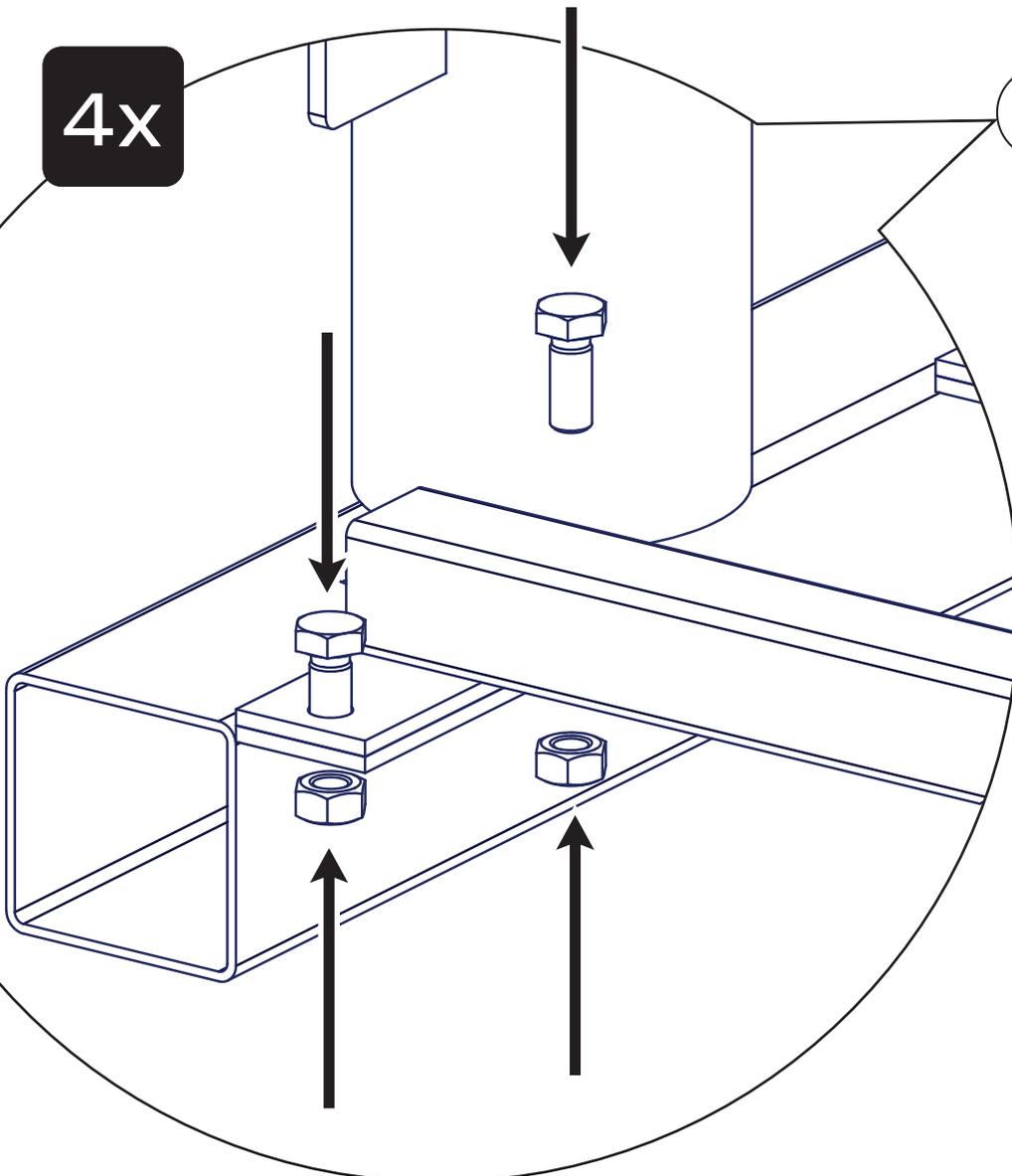
**Step 10**



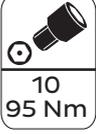
playing surface  
**ATTENTION**



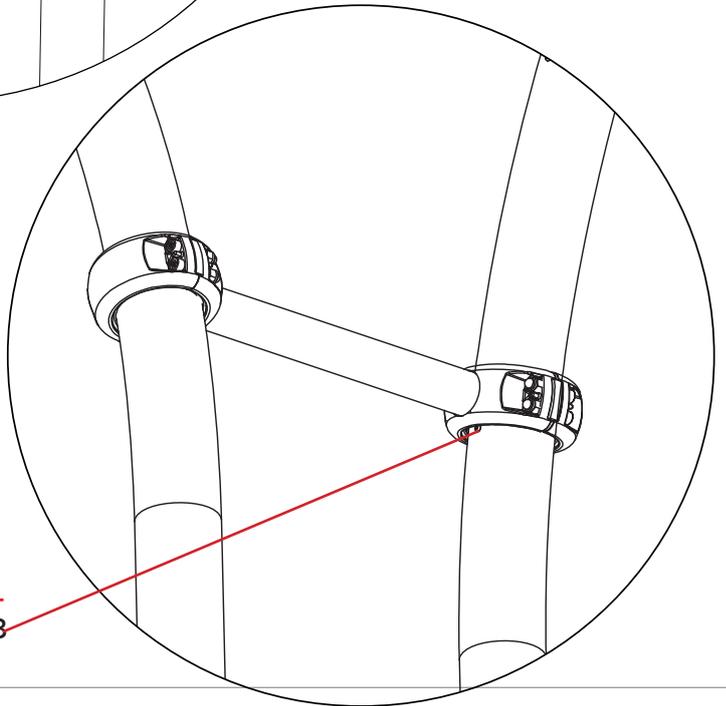
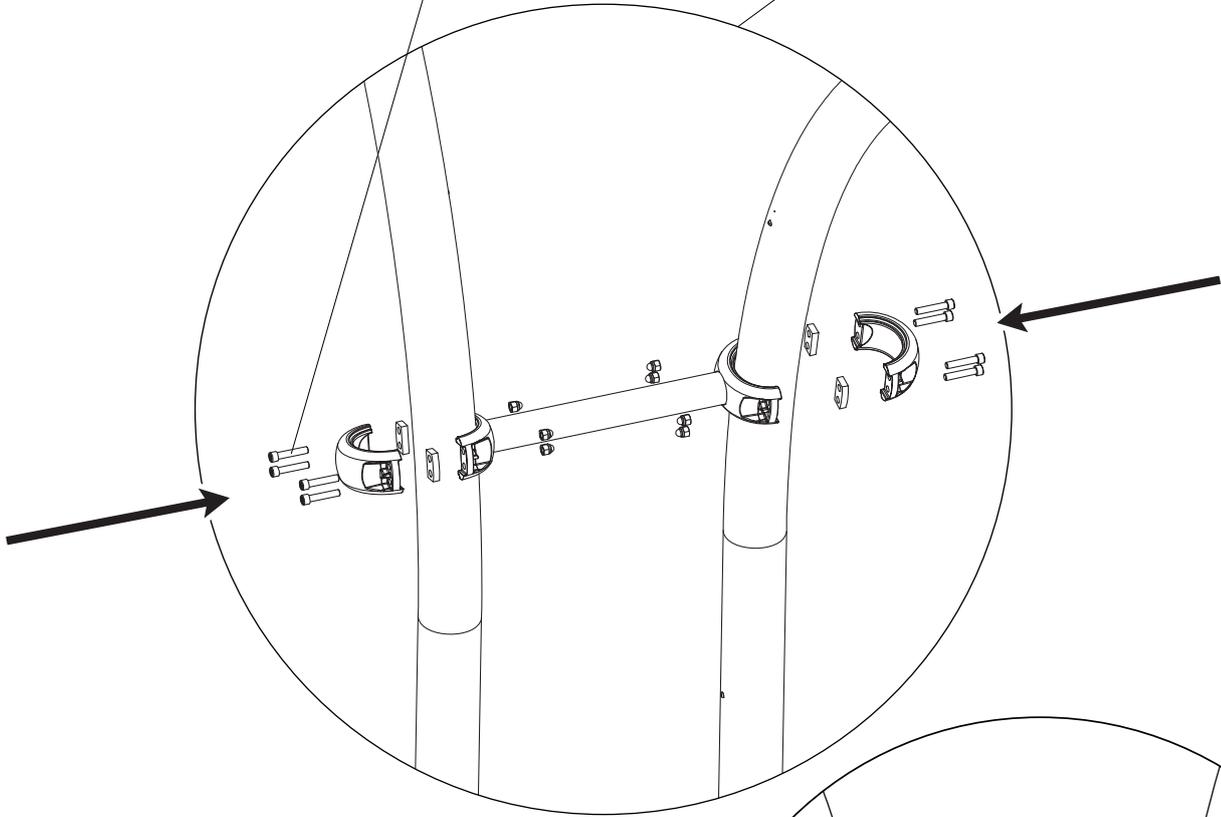
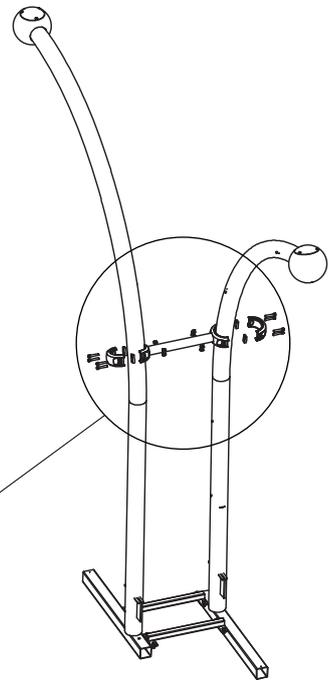
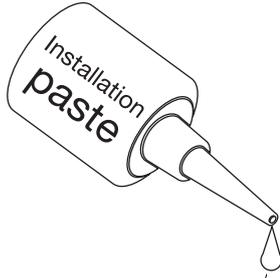
**4x**



# Step 11



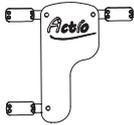
1090368  
1x



  
point level - P3  
**ATTENTION**

**Step  
12**

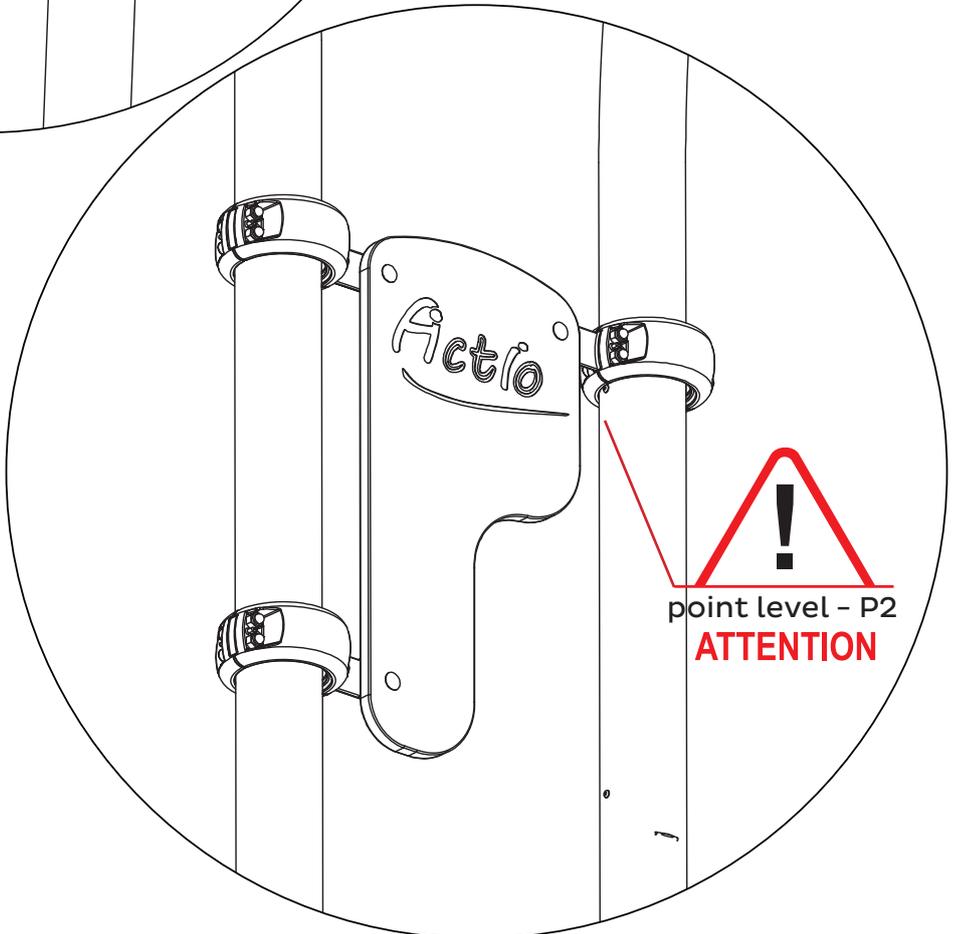
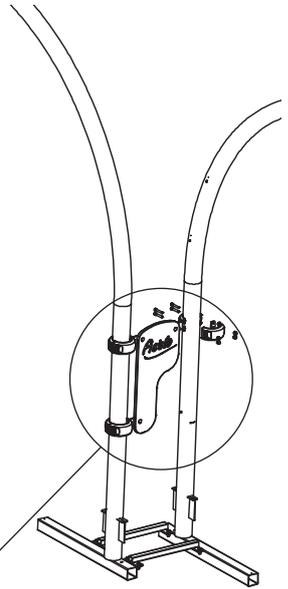
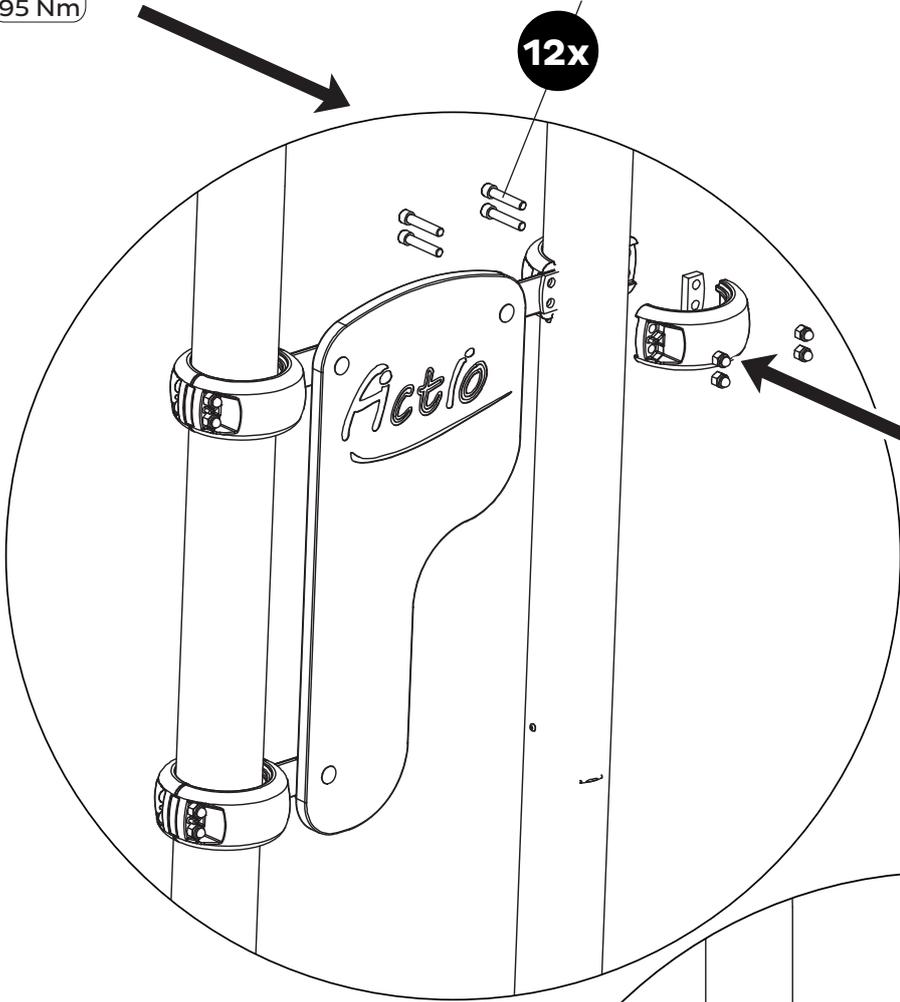
+



1090381  
1x



**12x**



# Step 13



24 mm



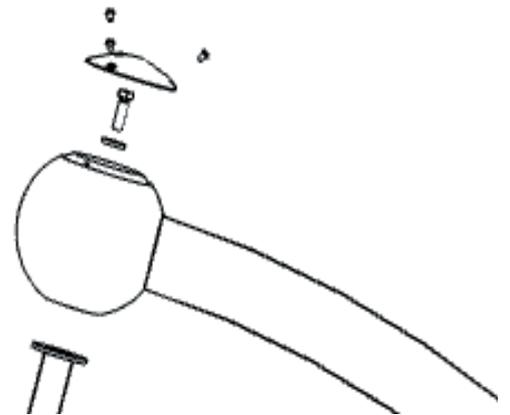
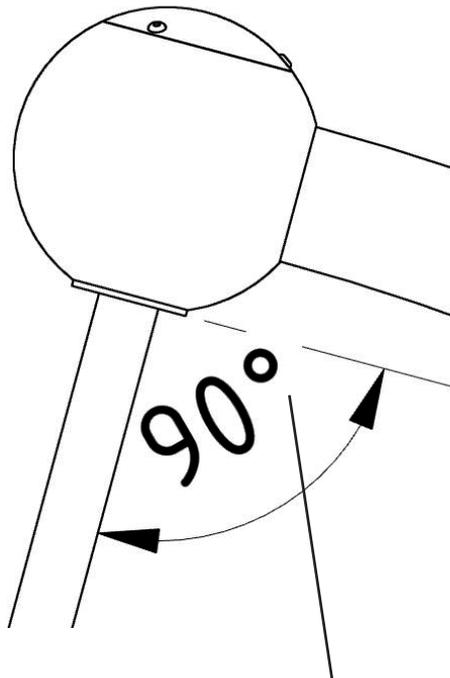
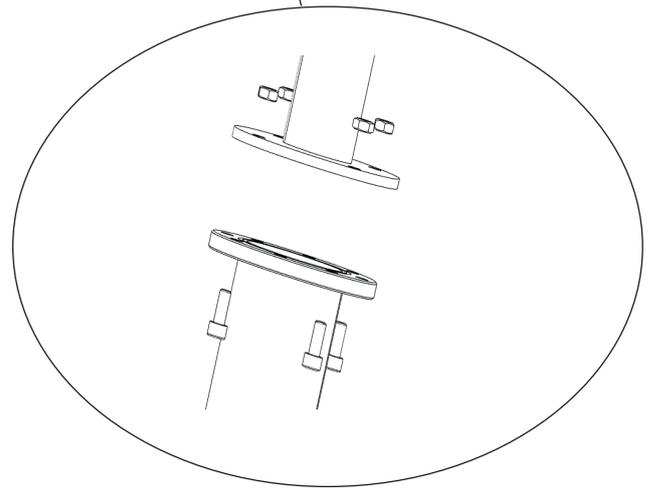
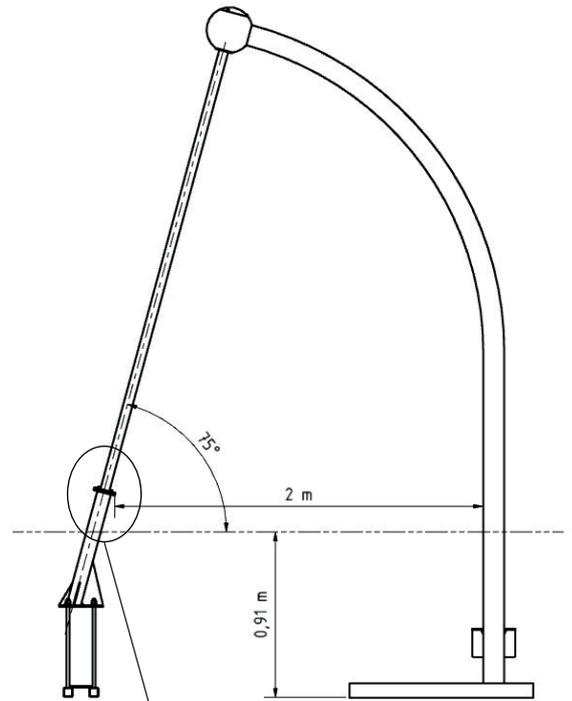
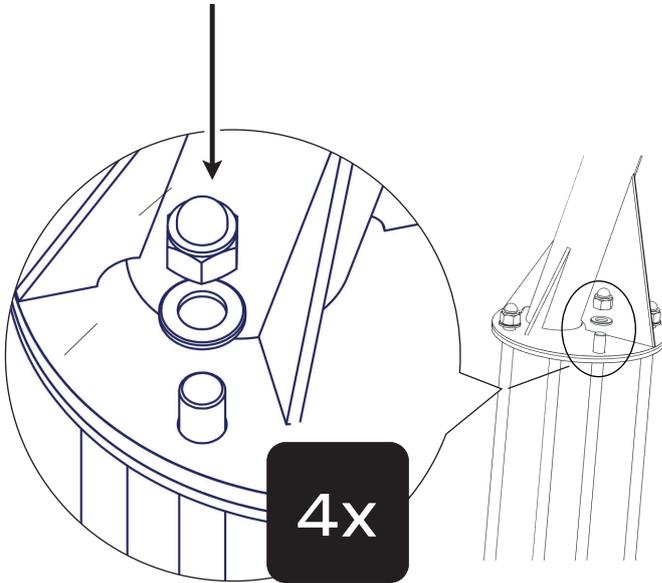
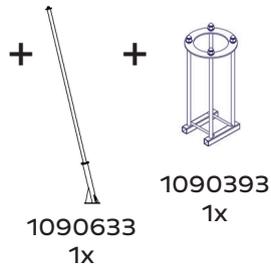
T40



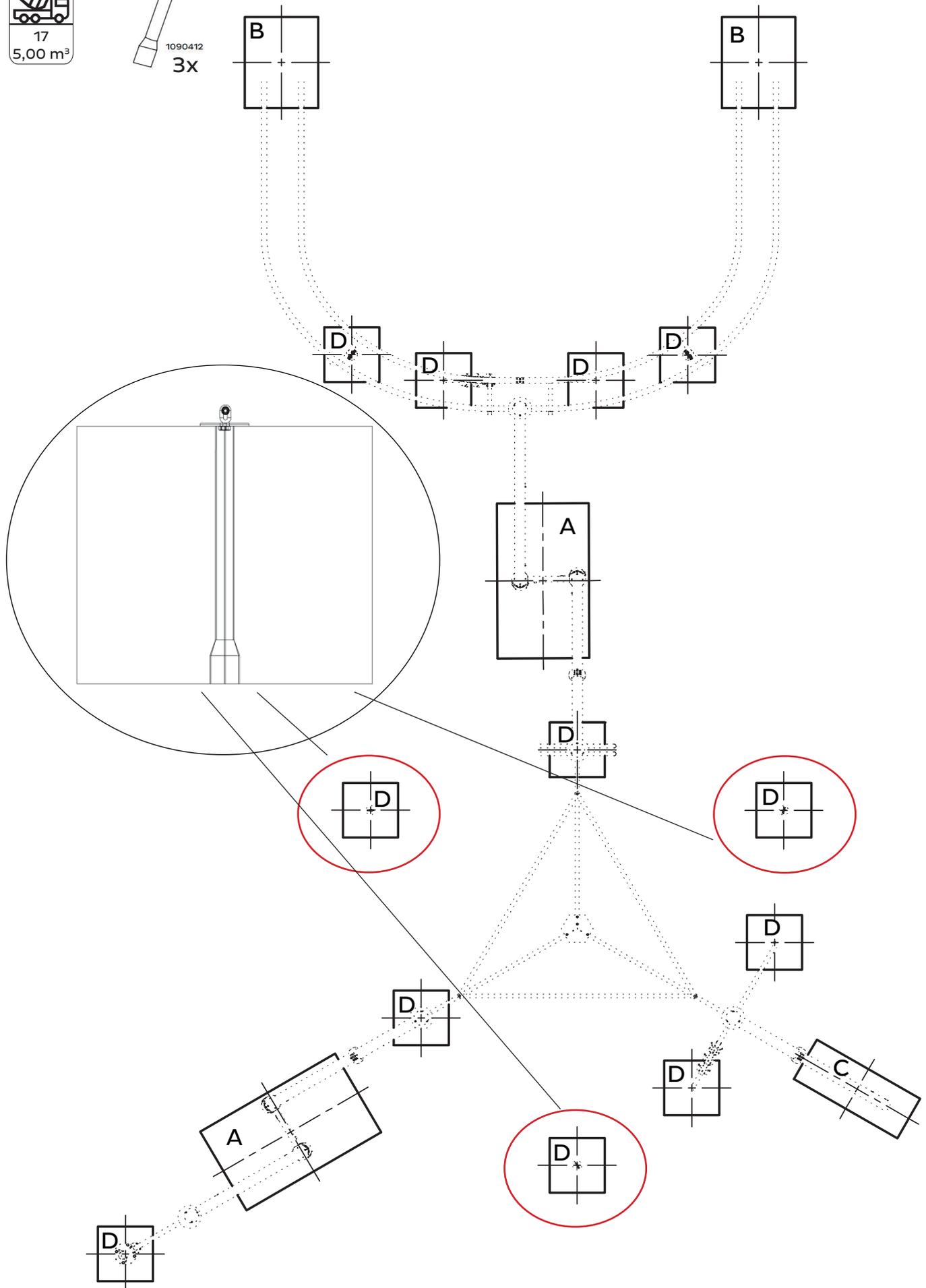
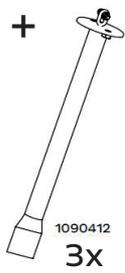
8 mm



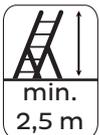
min. 2,5 m



**Step 14**



# Step 15



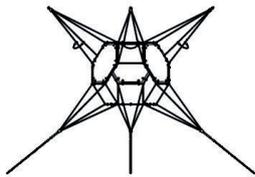
T40

10  
95 Nm

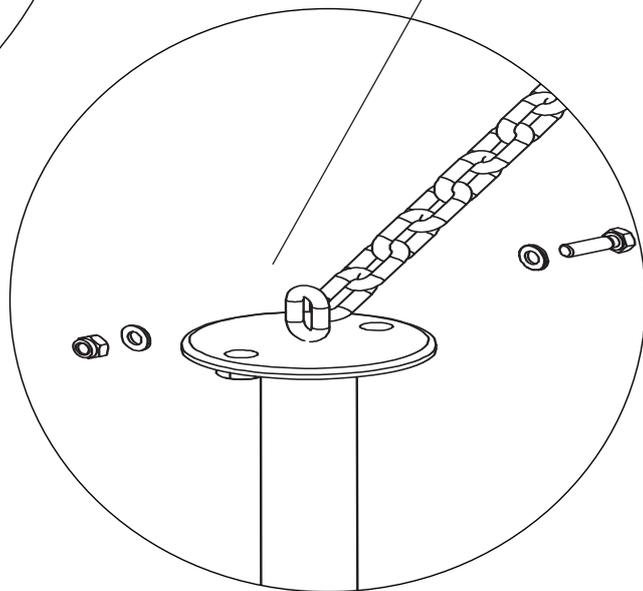
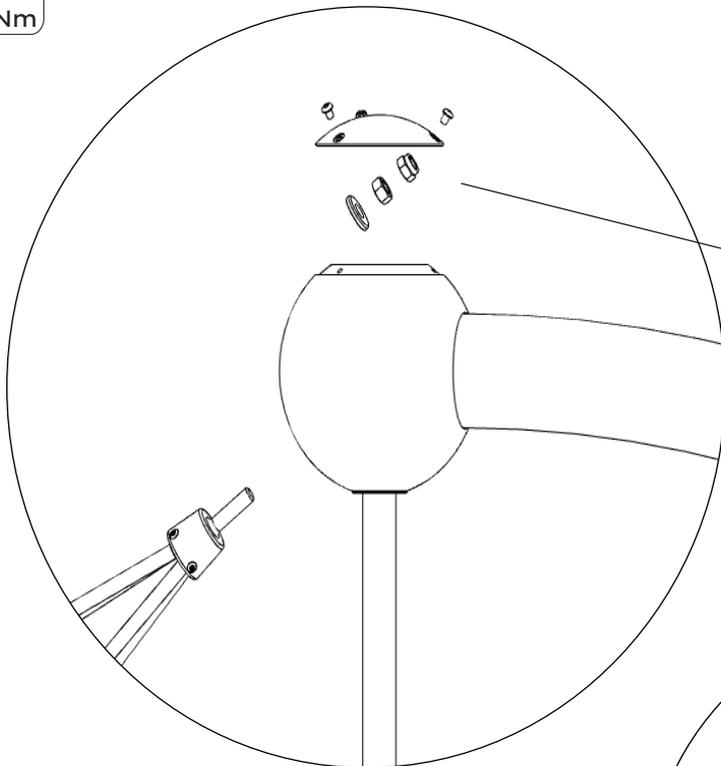
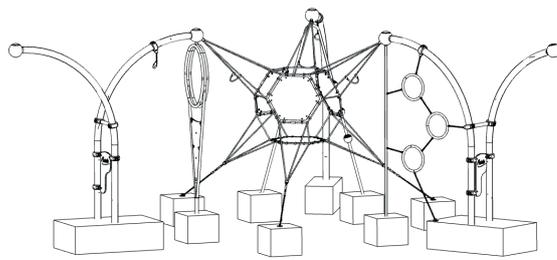


16 mm

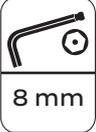
+



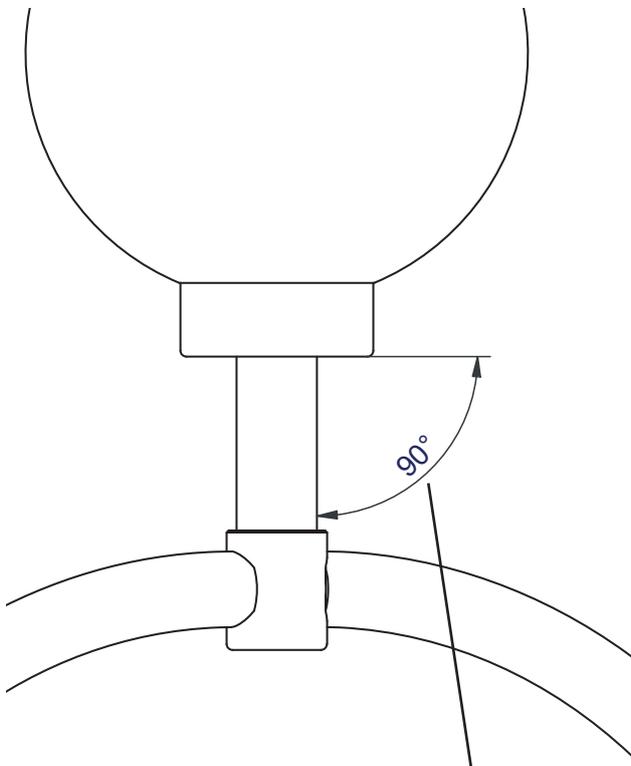
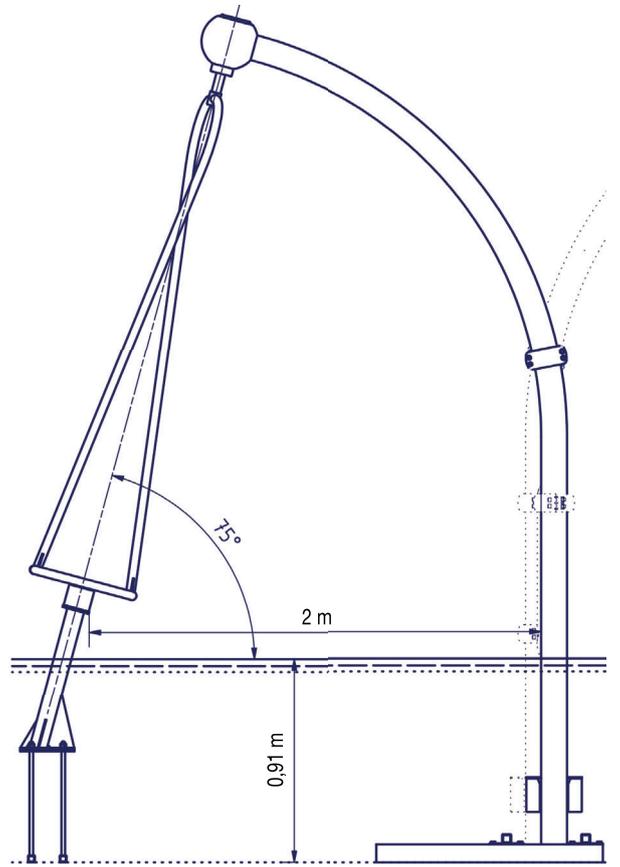
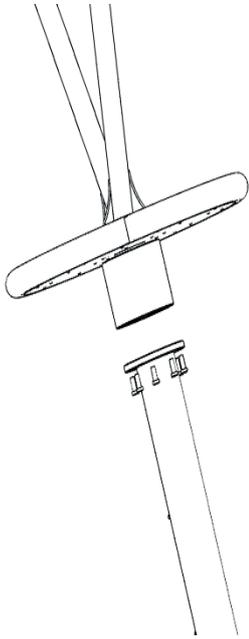
1090541  
1x



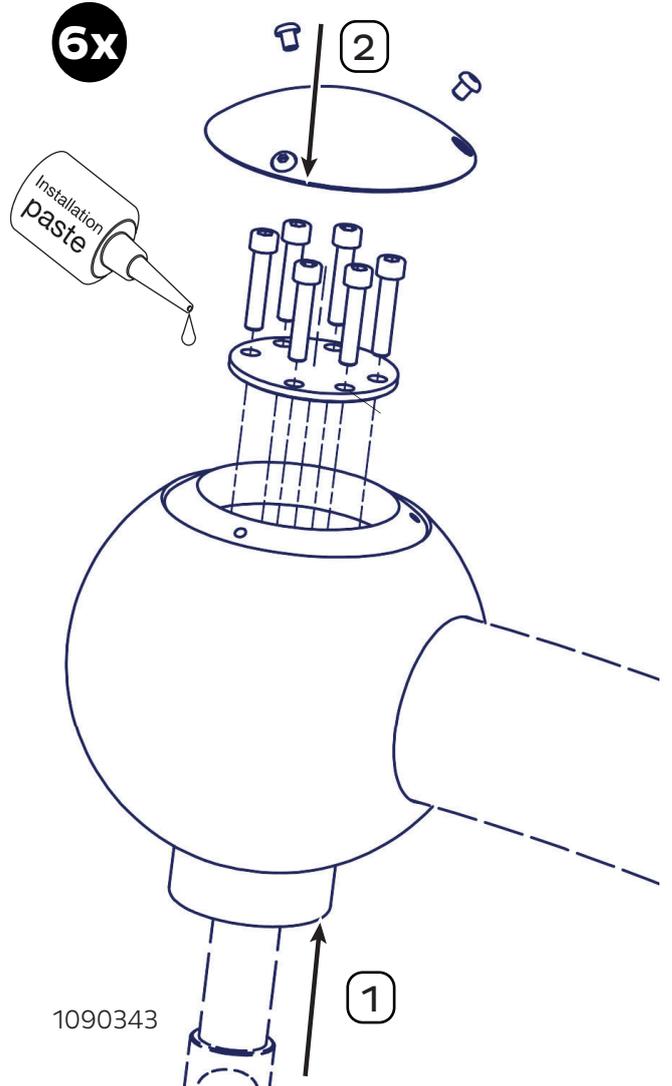
# Step 16



- + 1090343 1x
- + 1090393 1x



6x





# Kaiser & Kühne



Zuerst alle Anbauteile einbauen, ausrichten und alle Schrauben anziehen. Danach Fundamente entsprechend den Darstellungen mit Stampfbeton C20/25 herstellen.

Bei Seilspielgeräten und Karussells gilt folgende Ausnahme:  
Die Montage der Seilelemente und Karussells erfolgt erst **nach** Abbinden der Betonfundamente.

First of all, install and align all components and tighten all screws. Afterwards, prepare foundations with compressed concrete C20/25 according to the graphics.

For rope play equipment and Carousels, the following exception applies: the assembly of the rope elements and Carousels only takes places **after** concrete foundations have set.