



INSTALLATION

0-27360-000

Actio



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 standsichere Montage werden mittelschwer lösbare Bodenarten vorausgesetzt.
3. Ca. 10 cm dicke Schicht Grobkies als Drainageschicht zwischen Unterseite der Standpfosten und der Fundamentsohle einbringen.
4. Rohrbogenstützen in das jeweilige Fundamentloch stellen.
5. Bauteile handfest verschrauben. Verschraubung der Seilelemente siehe Punkt 8!
6. Zum Einbauen der vormontierten Bauteile bzw. Einzelteile müssen die Schrauben mit der gelieferten Montagepaste leicht gefettet werden. Erst nach dem Ausrichten alle Schrauben fest anziehen.
7. Fundamente mit Stampfbeton C20/25 füllen. An zwei Positionen jeweils ein Fundamentrohr einsetzen (vgl. letzte Seite).
8. Nach Abbinden der Betonfundamente:
 - Seilelemente auf den Fundamenten mit Fundamentrohr einhängen bzw.
 - Schäkel mit Gewindestange in den Innengewindeankern befestigenFundamente mit einem Bodenmaterial abdecken, das über ein für die Fallhöhe angemessenes Maß an Stoßdämpfung verfügt (s. EN 1176-1).
9. Freigabe zum Bespielen erst nach Abbinden der Betonfundamente und Befestigung aller Seilelemente.
10. Alle Schraubverbindungen gemäß Wartungsanleitung nach 4-5 Wochen überprüfen und ggf. fest nachziehen.

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

Bitte beachten Sie:

Um einen sicheren und unfallfreien Spielbetrieb mit diesem Gerät zu gewährleisten, müssen die im Wartungsplan aufgeführten Tätigkeiten unbedingt ausgeführt werden.

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

GB

1. Assign a device location considering the space requirement (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 pipe bends into the respective foundation hole.
5. Hand-screw attachment parts. For rope element fastening, see item no. 8!
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. Insert a foundation tube at two positions (cf. last page).
8. After concrete foundations have set:
 - mount chains of the rope elements to the chain link on the foundation tubes resp.
 - fasten U-shaped shackles with the threaded bolts to the anchors with internal thread.Cover the foundations with surfacing material with appropriate shock-absorbing characteristics corresponding to the fall height of the equipment (acc. to EN 1176-1).
9. Release for play after concrete foundations have set and after mounting the rope element connectors.
10. 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.

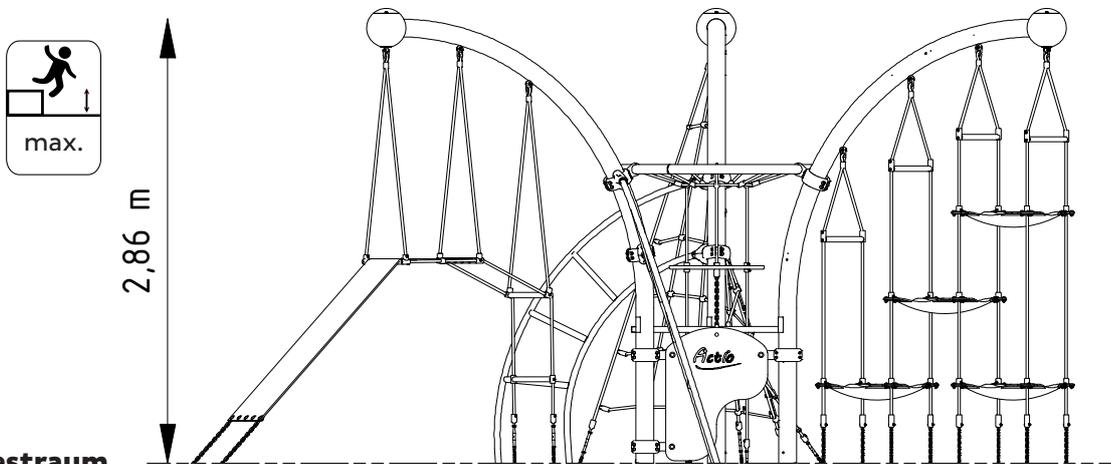
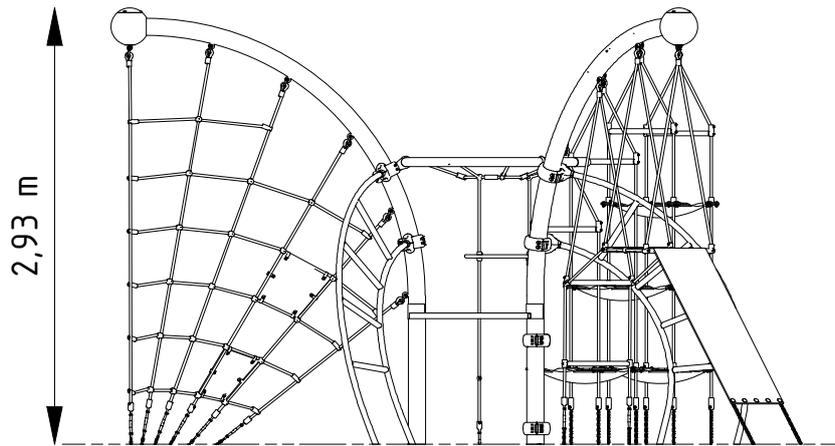
Please note:

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.

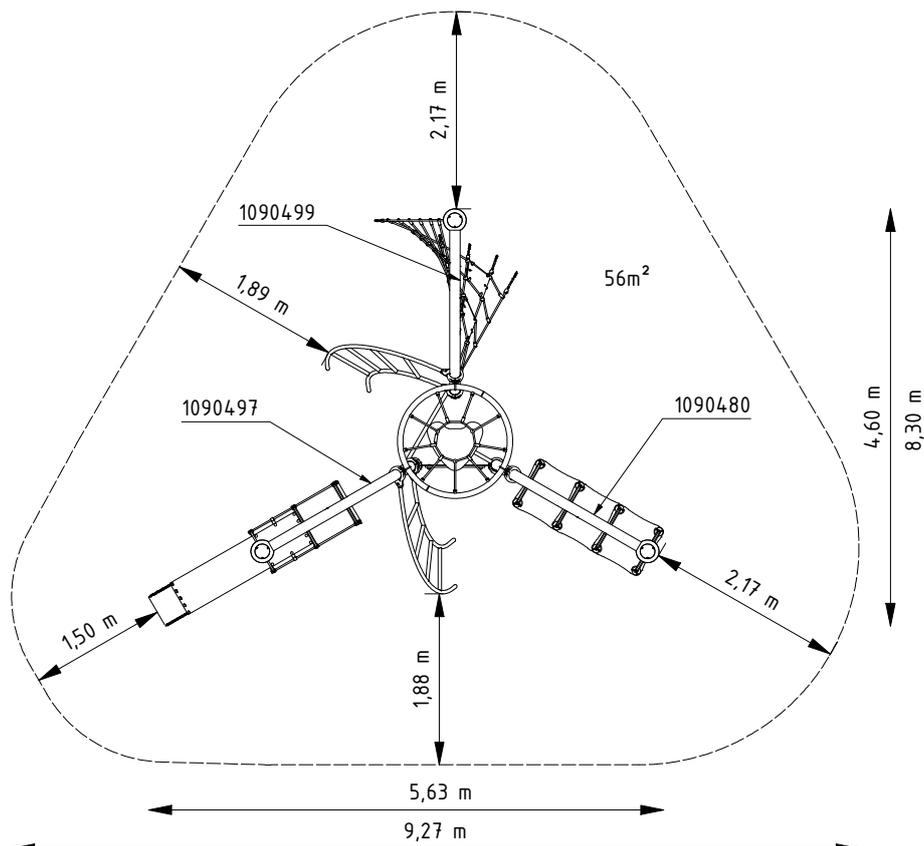
**Geräteraum
space occupied by
equipment**

4,60 x 5,63 x 2,93 m



**Mindestraum
minimum space**

8,29 x 9,27 x 2,93 m



Fundamentplan foundation plan

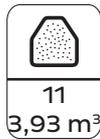


Fundamente (bauseits)
Foundations (on site)

Betonbedarf (ca.)
Concrete amount (approx.)

- A- 1x 2,50 x 0,30 x 0,50 m
- B- 1x 0,70 x 0,50 x 0,50 m
- C- 2x 0,90 x 0,40 x 0,50 m
- D- 1x 2,40 x 0,85 x 0,50 m
- E- 1x 1,40 x 0,70 x 0,50 m
- F- 1x 1,30 x 0,50 x 0,50 m

2,745 m³

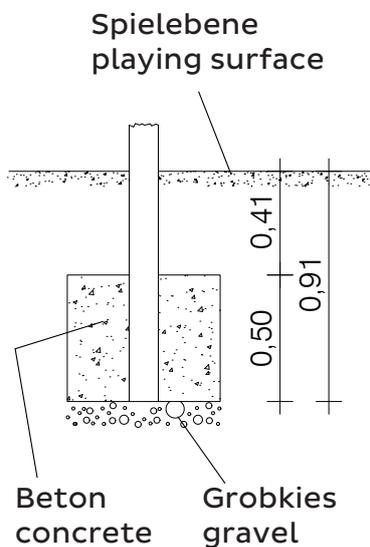


Zuerst alle Anbauteile einbauen, ausrichten und alle Schrauben anziehen.
Danach Fundamente entsprechend den Darstellungen mit Stampfbeton C20/25 herstellen.

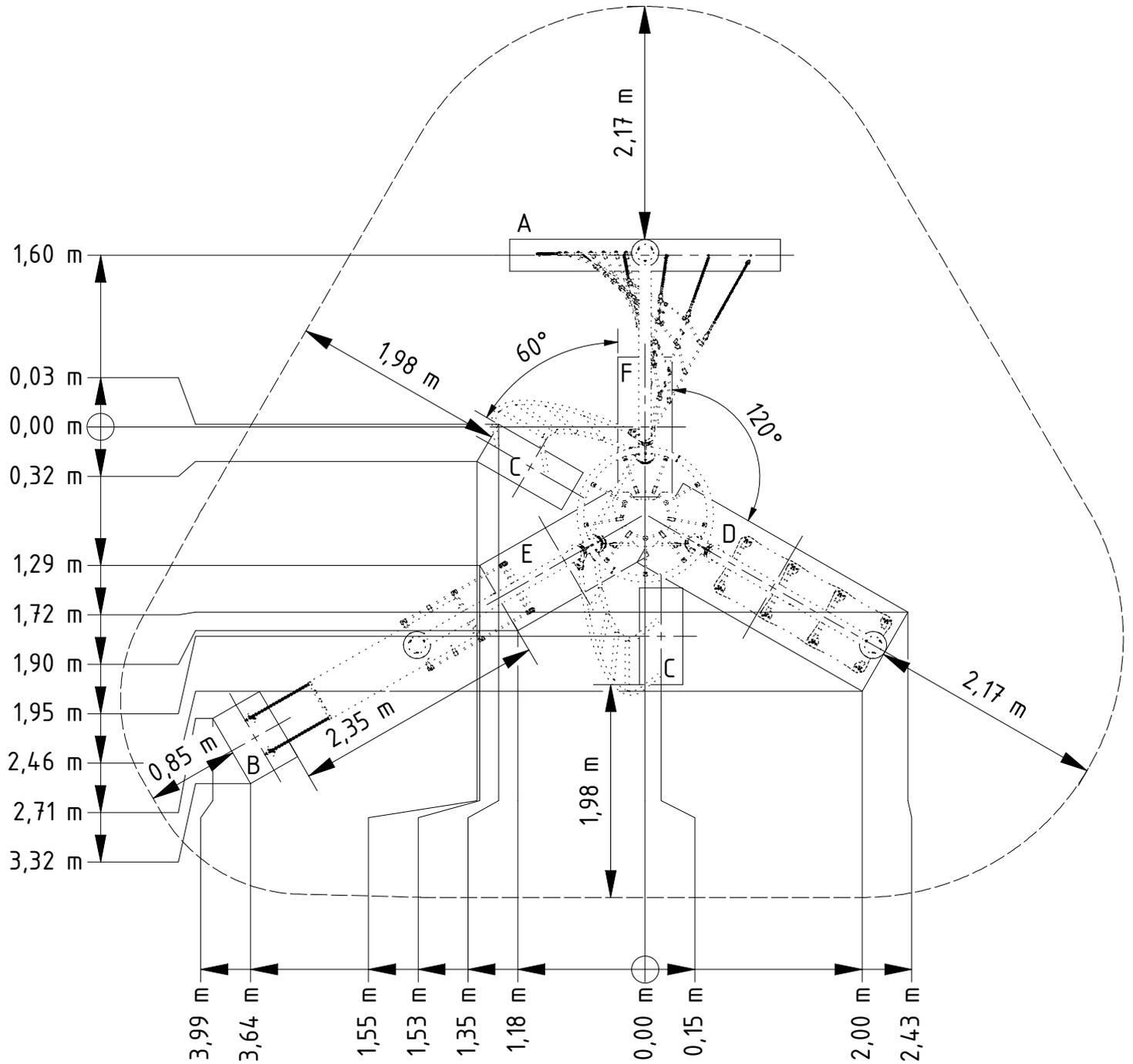
Bei Seilspielgeräten gilt folgende Ausnahme: Die Montage der Seilelemente erfolgt erst **nach** Abbinden der Betonfundamente.

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

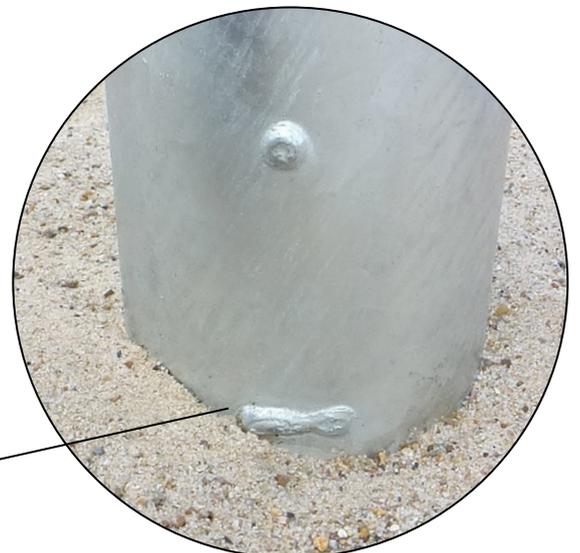
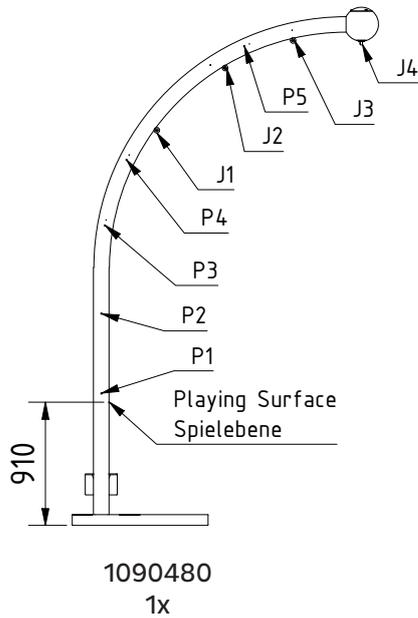
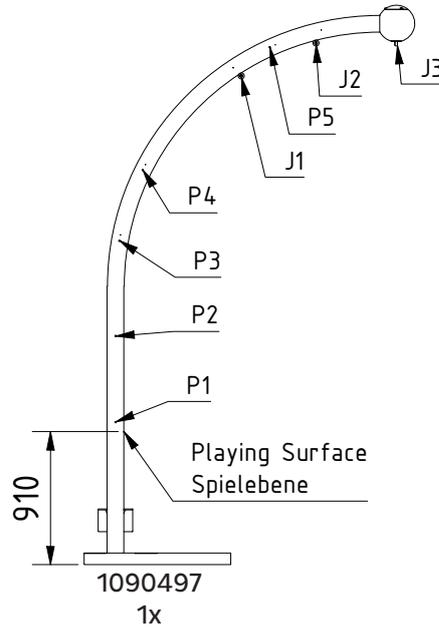
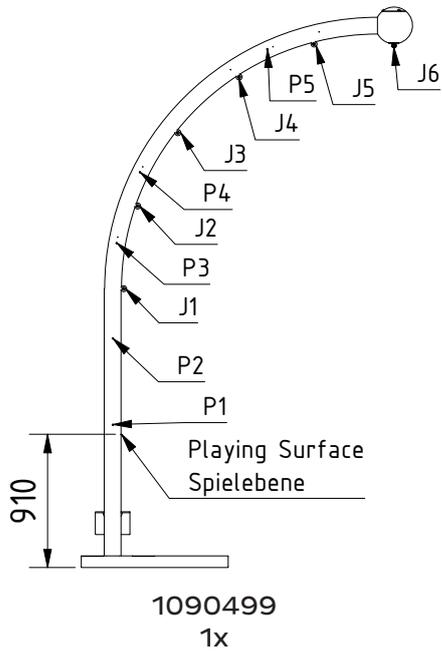
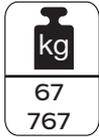
For rope play equipment, the following exception applies: the assembly of the rope elements only takes places **after** concrete foundations have set.



**Fundamentplan
foundation plan**



**Komponenten
components**



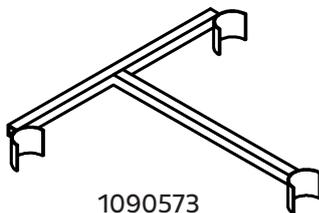
P=Position/position
J= Seilanbindung/ rope attachment

**Spielebene
playing surface**

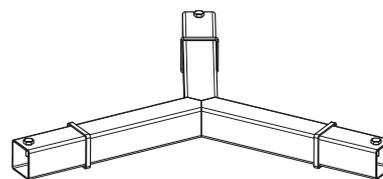
**Komponenten
components**



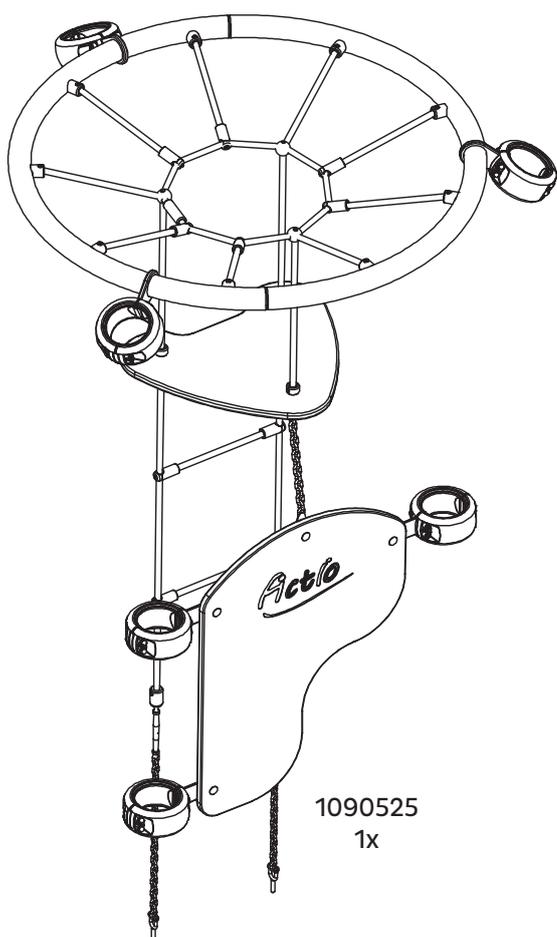
1090435
2x



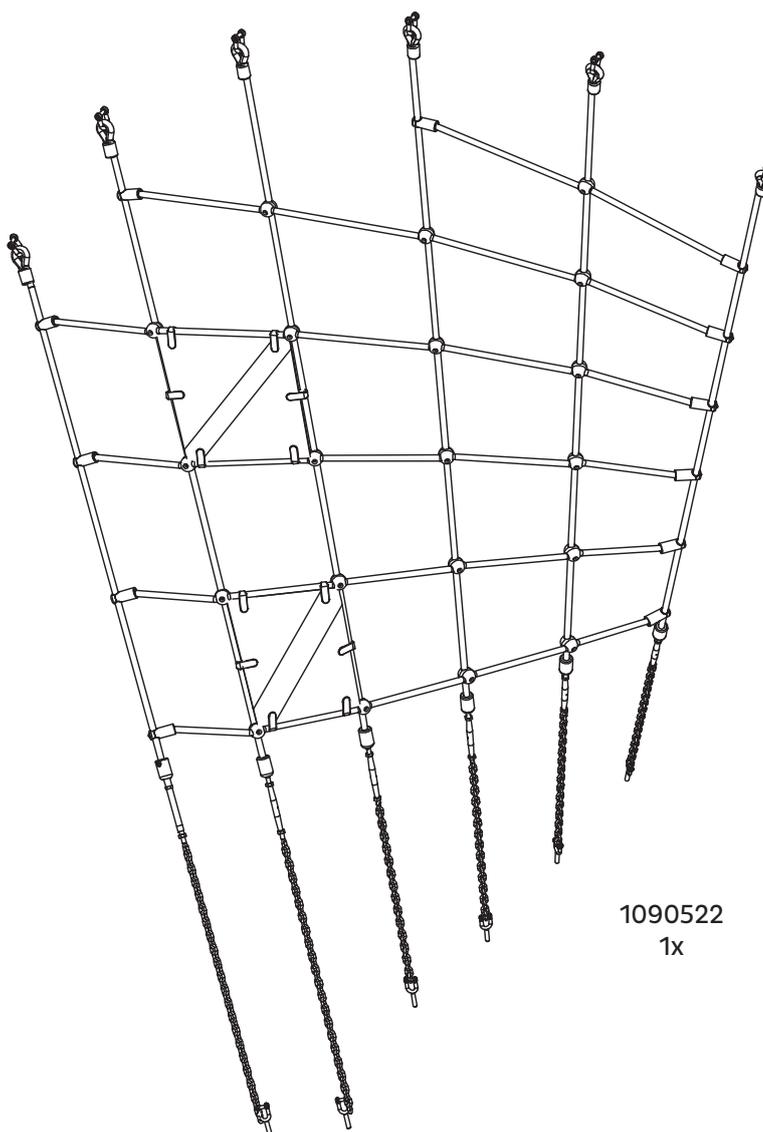
1090573
1x



1090429
1x

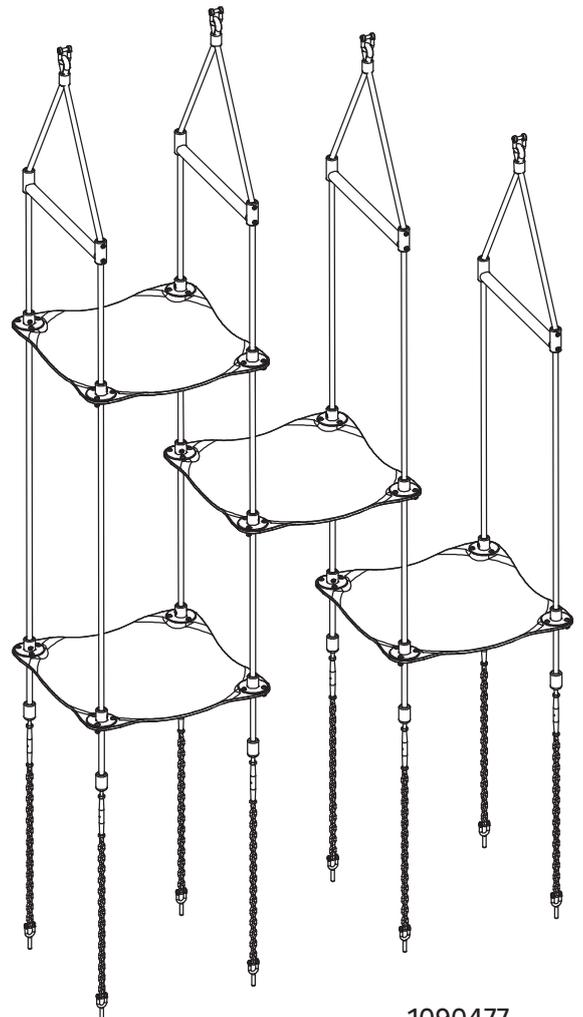
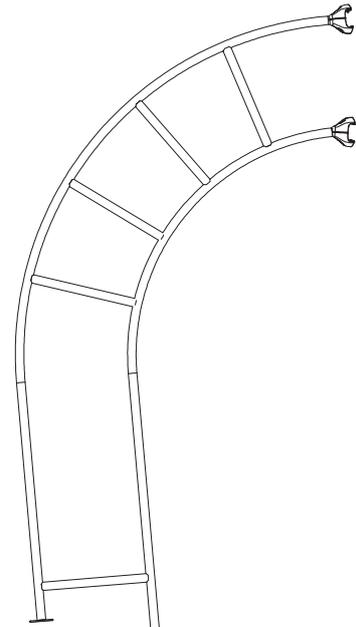
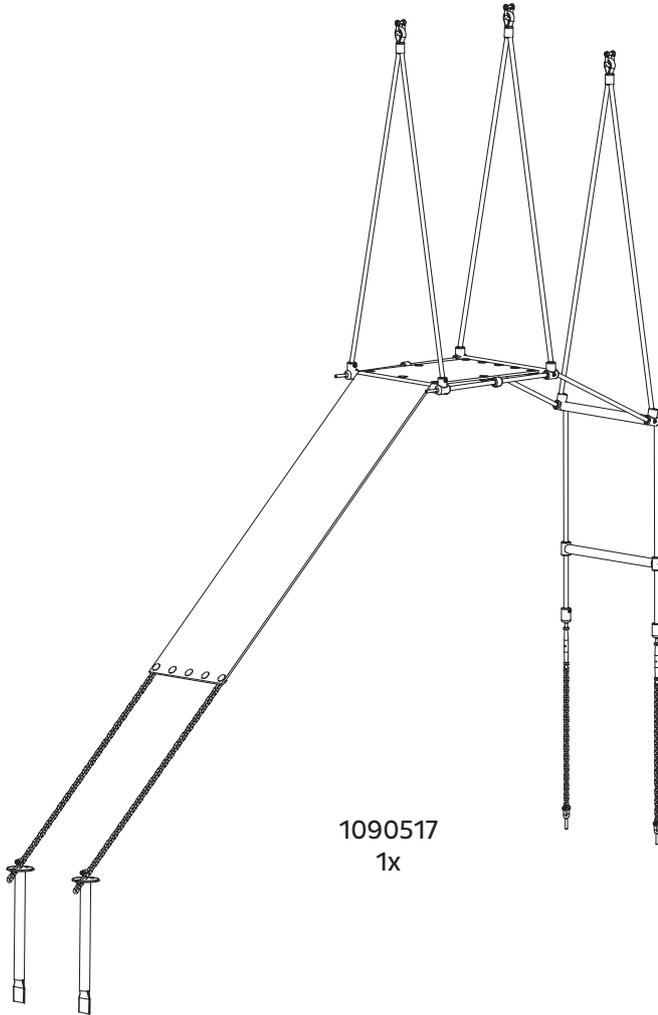


1090525
1x



1090522
1x

**Komponenten
components**



1292859
1x

Step 1

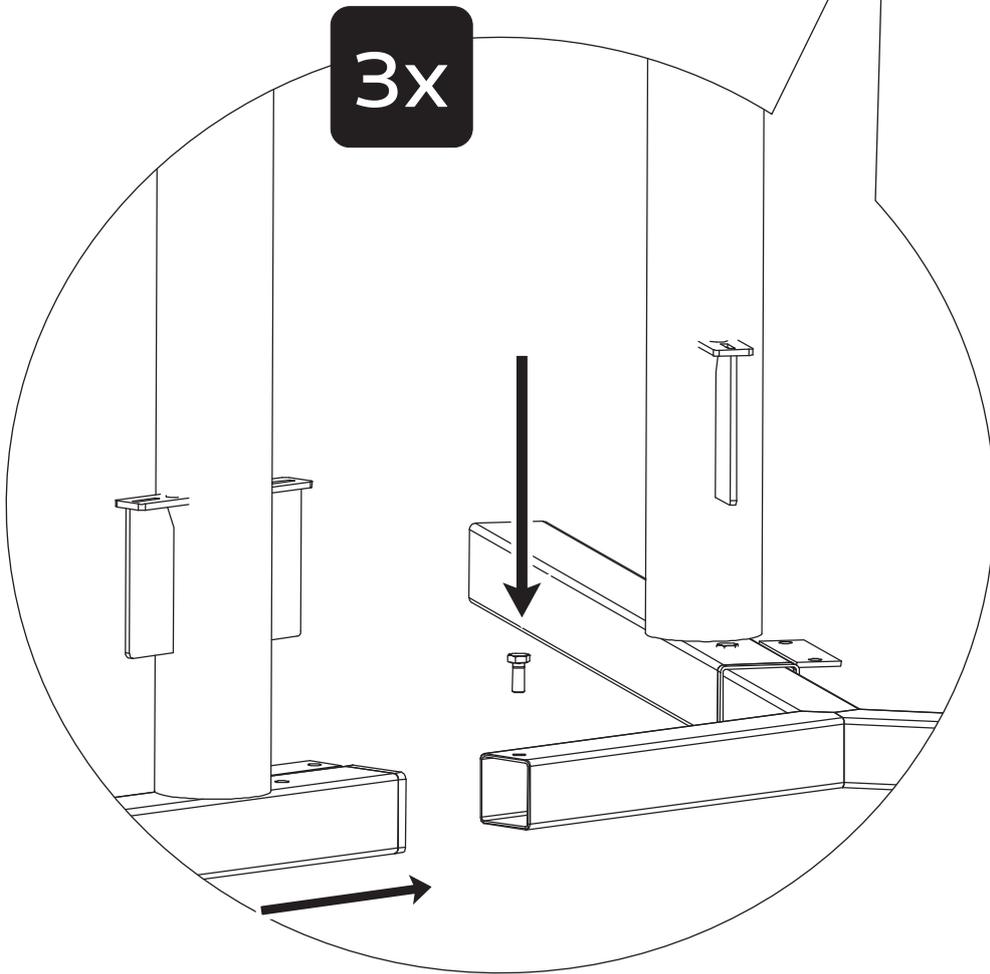
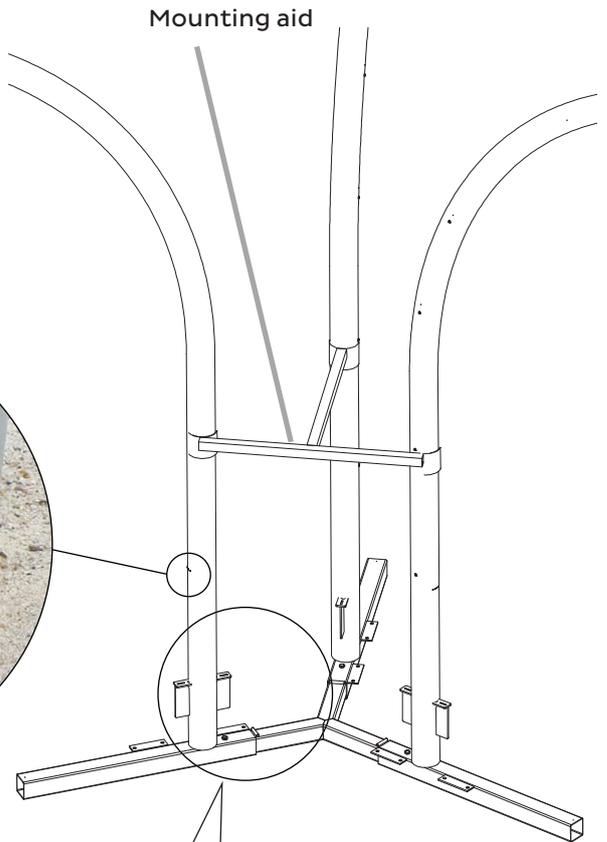


19 mm

- + 1090480 1x
- + 1090573 1x
- + 1090429 1x

- + 1090497 1x

- + 1090499 1x

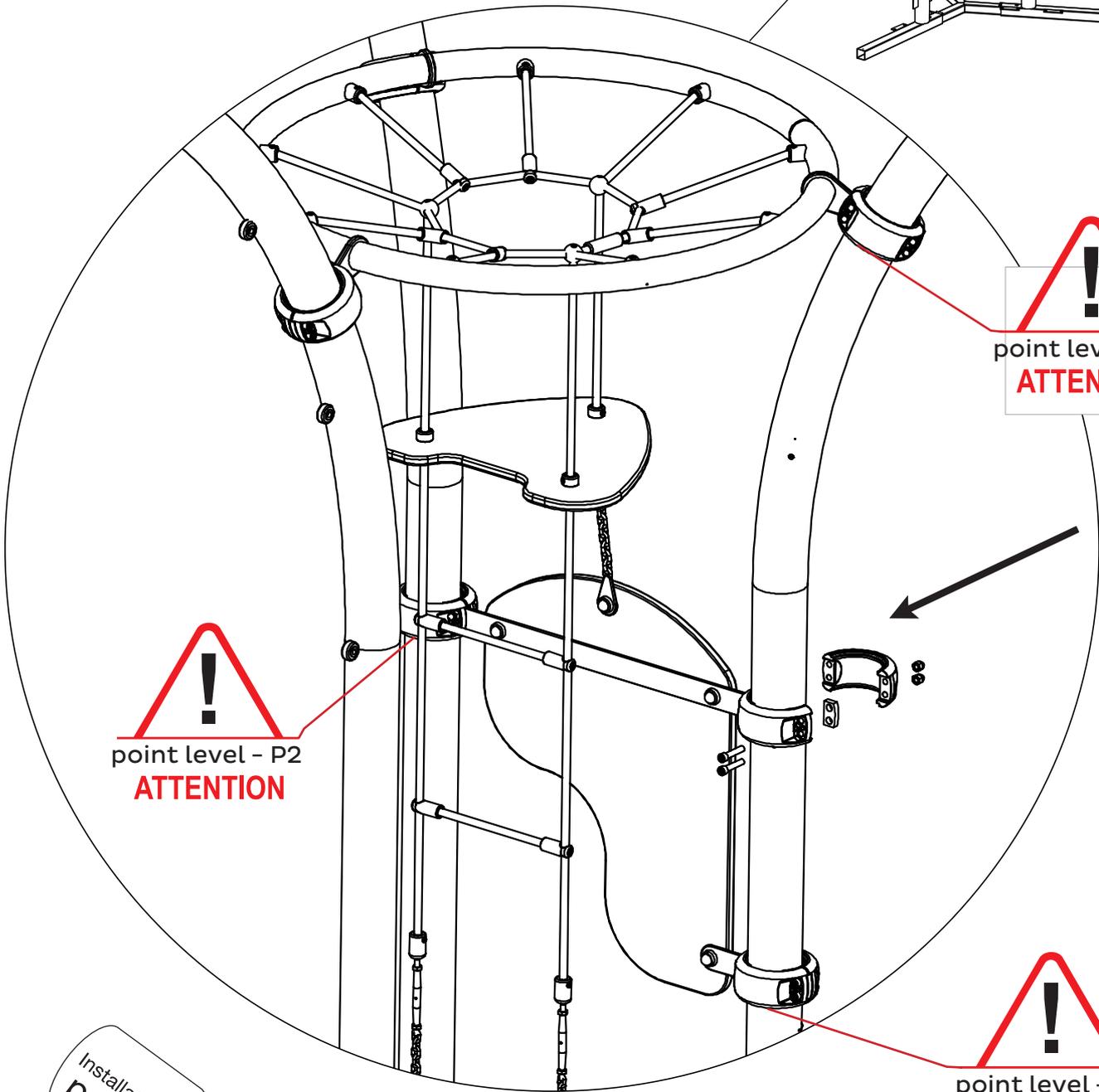
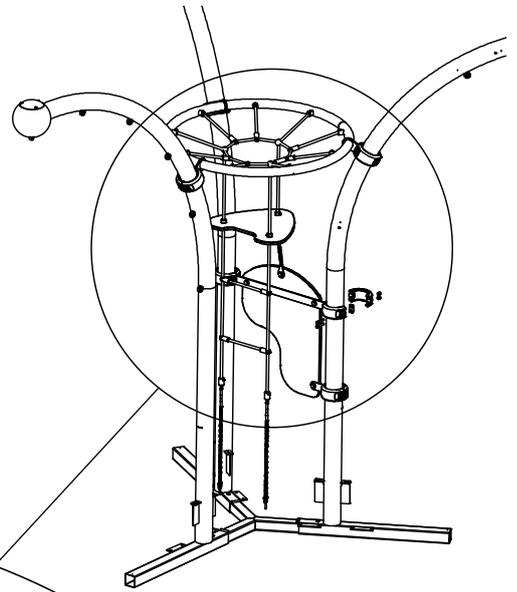
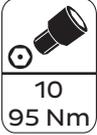


Step 2

+



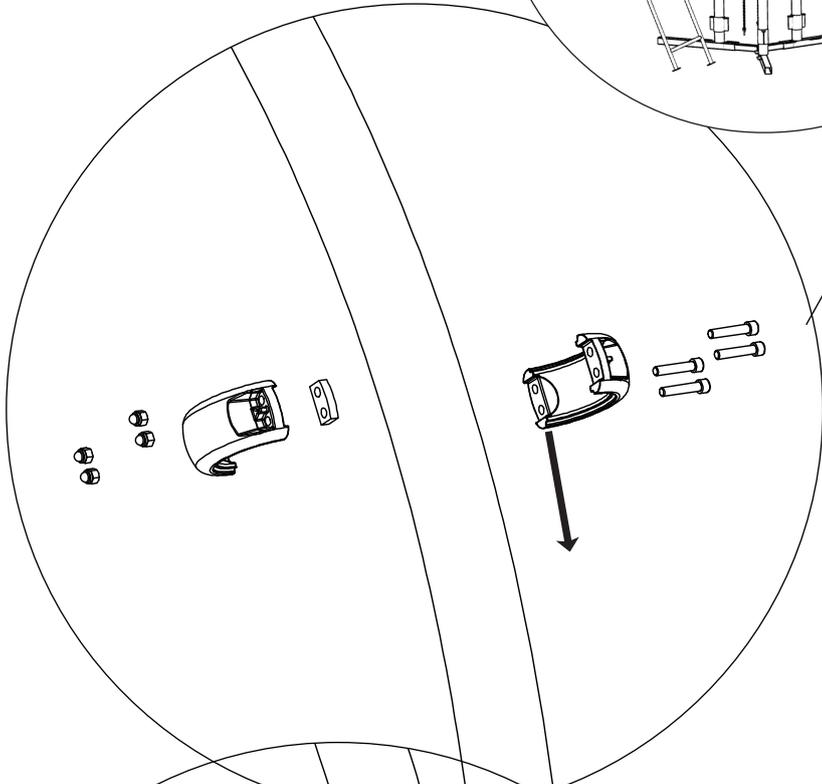
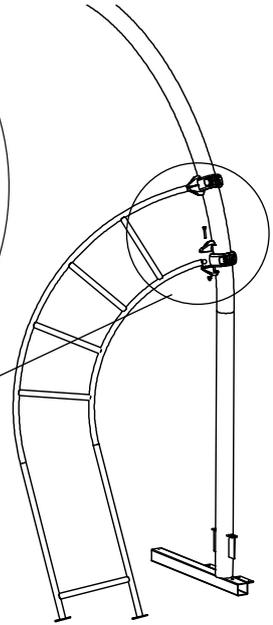
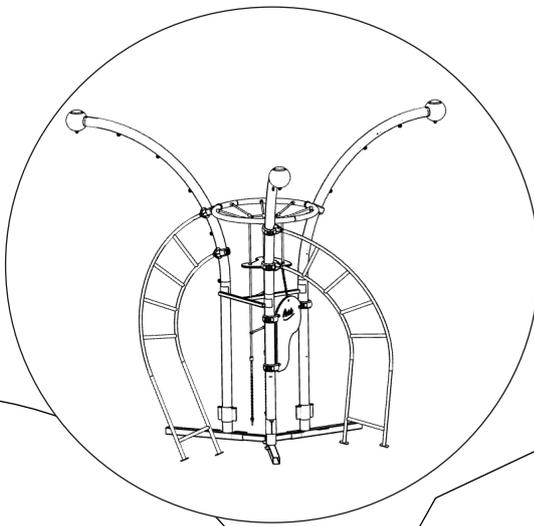
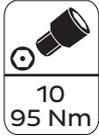
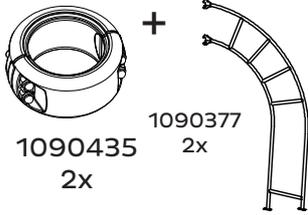
1090525
1x



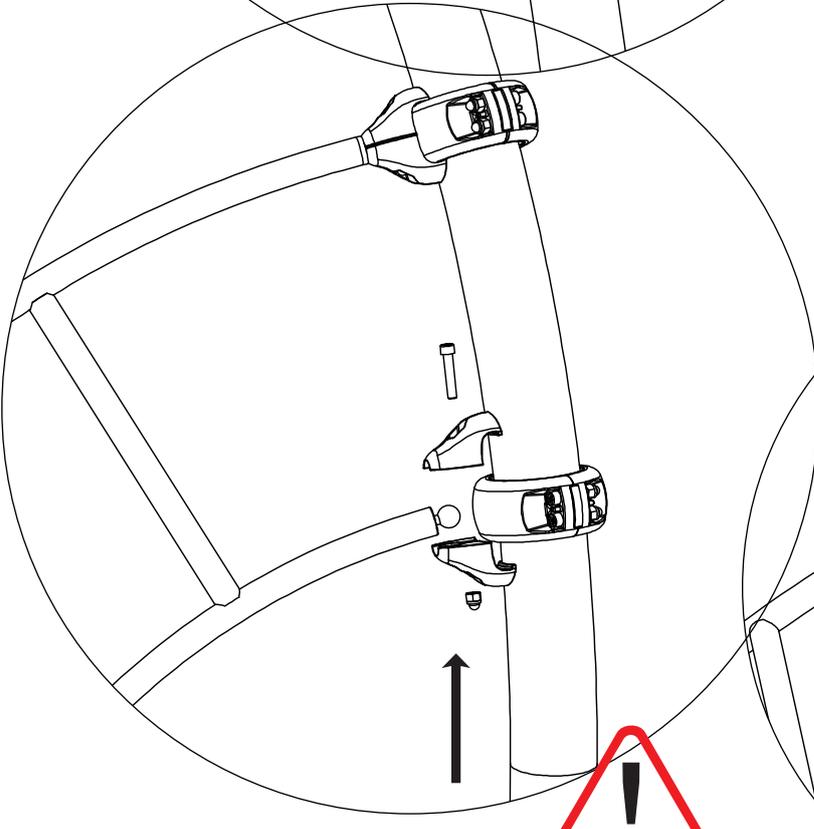
24x

P=Position/position
J= Seilanbindung/ rope attachment

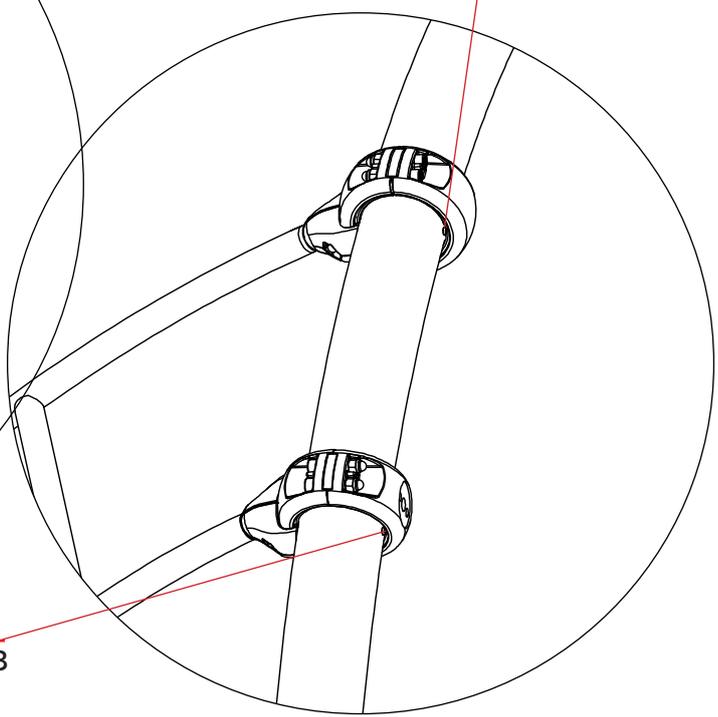
Step 3



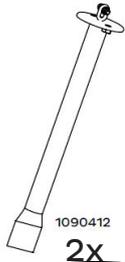
!
point level - P4
ATTENTION



!
point level - P3
ATTENTION

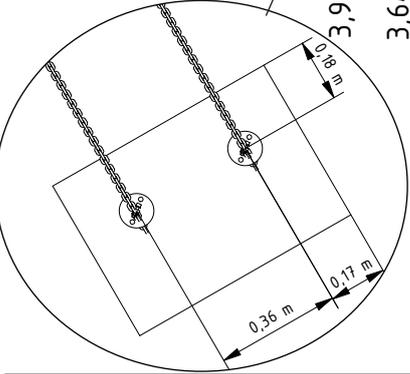
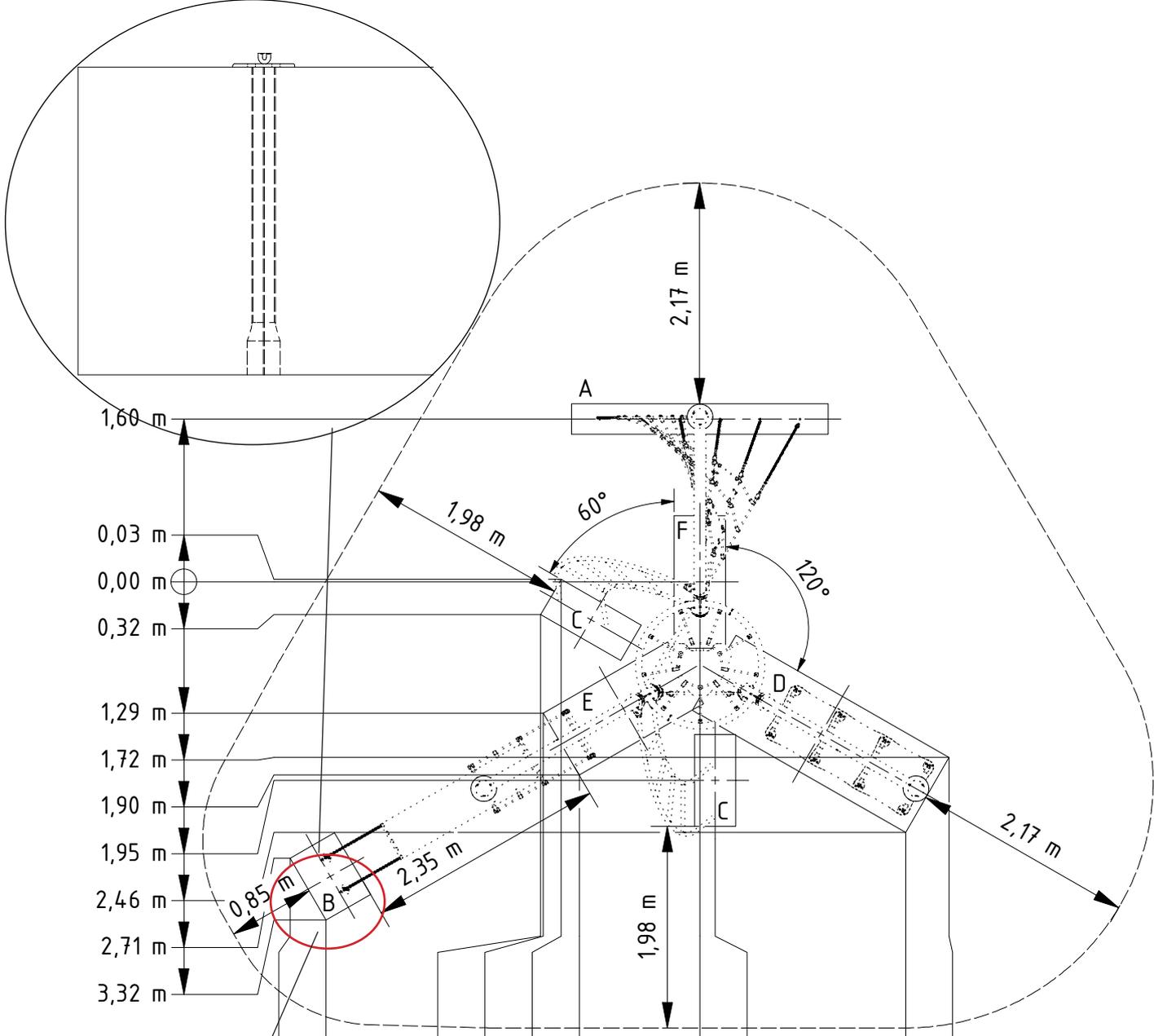


Step 4



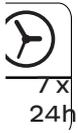
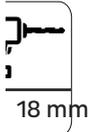
Jetzt Fundamente gießen und an dem eingekreisten Positionen ein Fundamentrohr einsetzen (siehe Detail unten)

By now, pour foundations and insert a foundation tube at the encircled positions (see detail below).



Temperatur Temperature	Aushärtezeit Curing Time
- 4°C - 0°C	10 hrs.
+ 1°C - +5°C	45 min.
+ 6°C - +10°C	30 min.
+ 11°C - +20°C	20 min.
+ 21°C - +30°C	5 min.
+ 31°C - +40°C	3 min.

Step 5

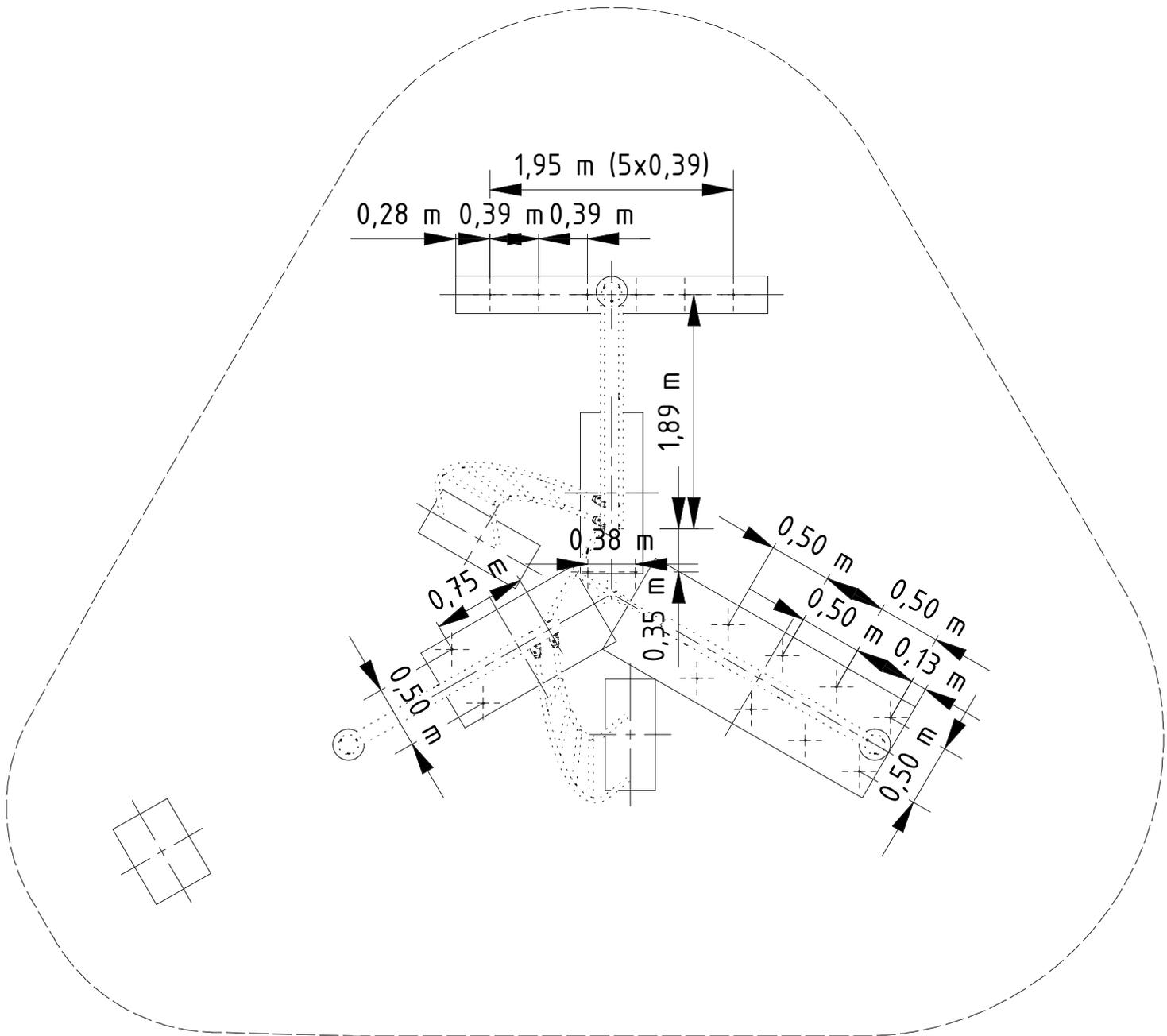


18 x

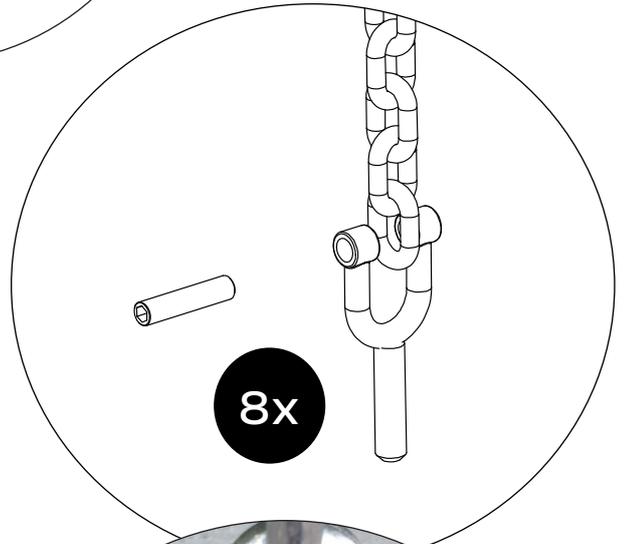
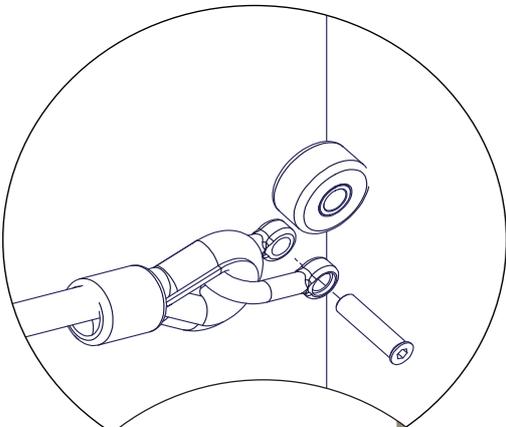
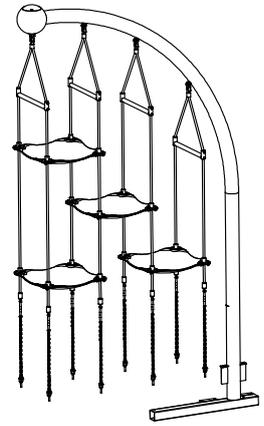
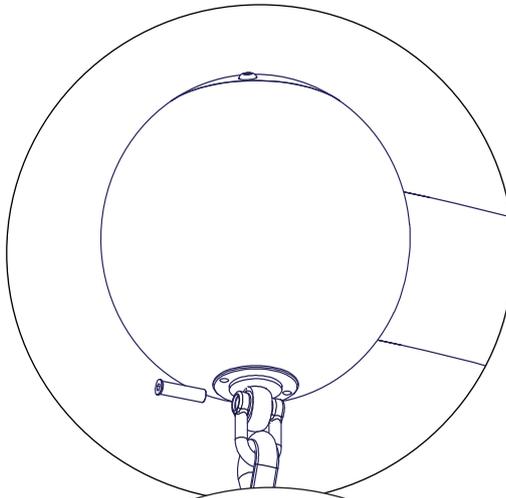
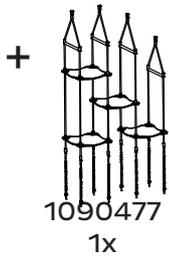
Reaktionspatronen RSB +
Innengewindeanker RG 16 x 90

Resin capsule RSB +
threaded rod RG 16 x 90

Temperatur Temperature	Aushärtezeit Curing Time
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+ 11°C - +20°C	20 min.
+ 21°C - +30°C	5 min.
+ 31°C - +40°C	3 min.



Step 6

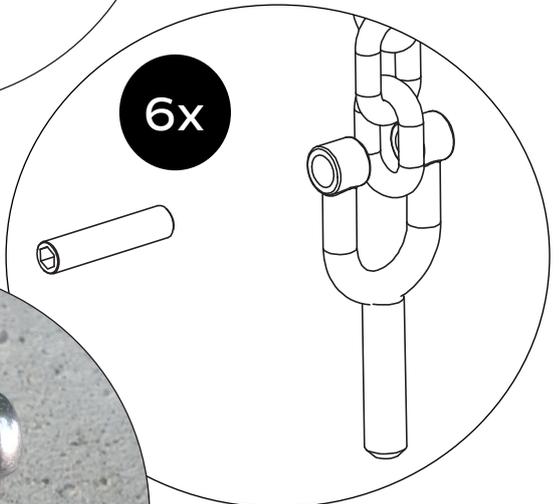
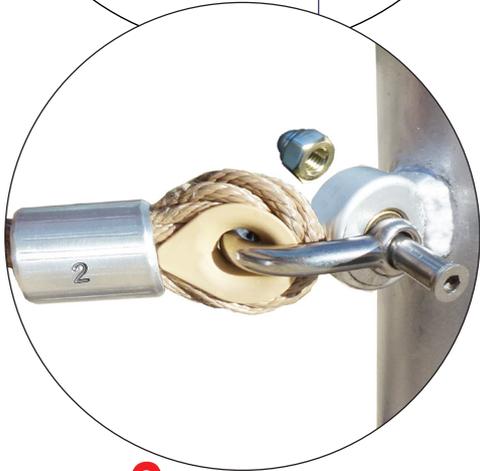
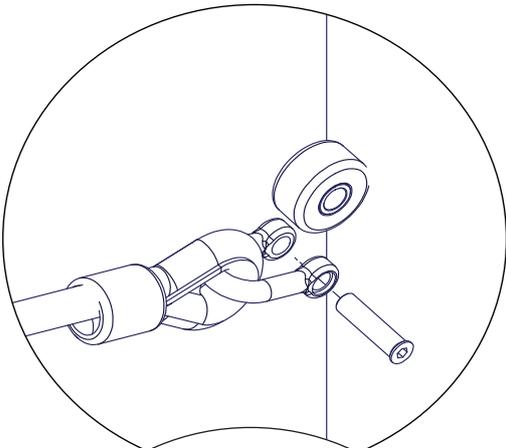
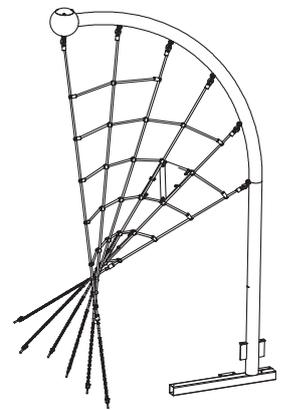
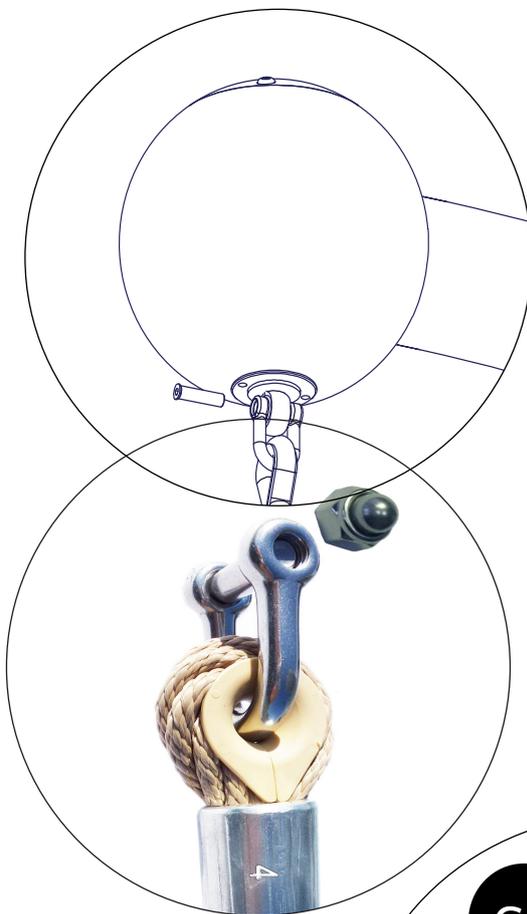
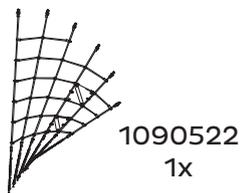


ATTENTION

Temperatur Temperature	Aushärtezeit Curing Time
- 4°C - 0°C	10 hrs.
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+ 21°C - +30°C	5 min.
+ 31°C - +40°C	3 min.

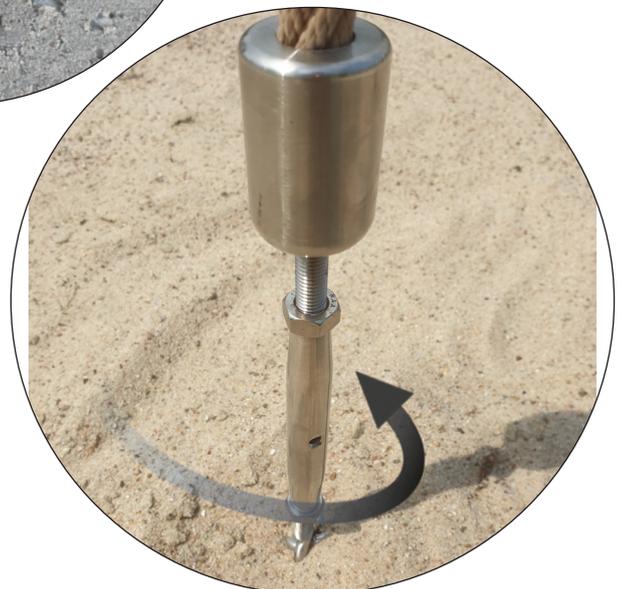


Step 7



ATTENTION

Temperatur Temperature	Aushärtezeit Curing Time
- 4°C - 0°C	10 hrs.
+ 1°C - +5°C	45 min.
+ 6°C - +10°C	30 min.
+ 11°C - +20°C	20 min.
+ 21°C - +30°C	5 min.
+ 31°C - +40°C	3 min.



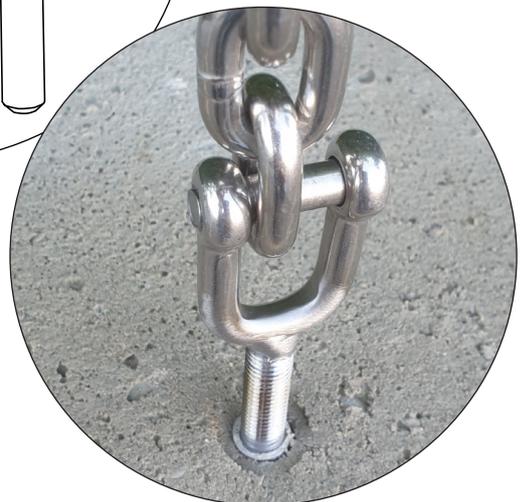
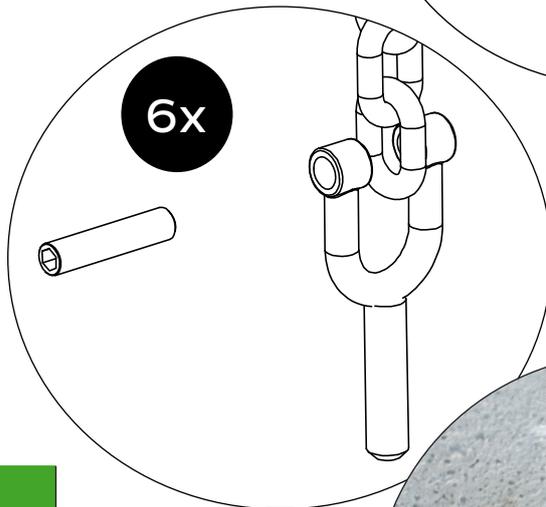
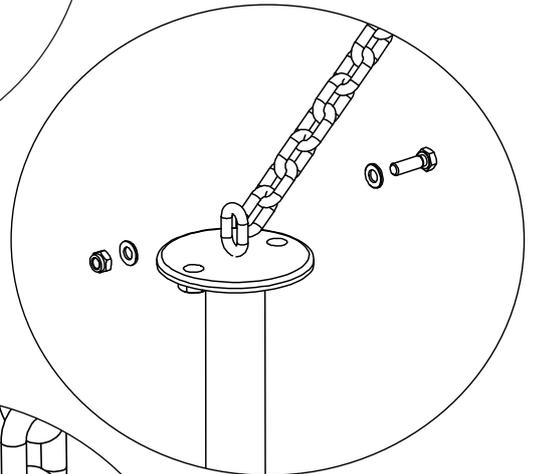
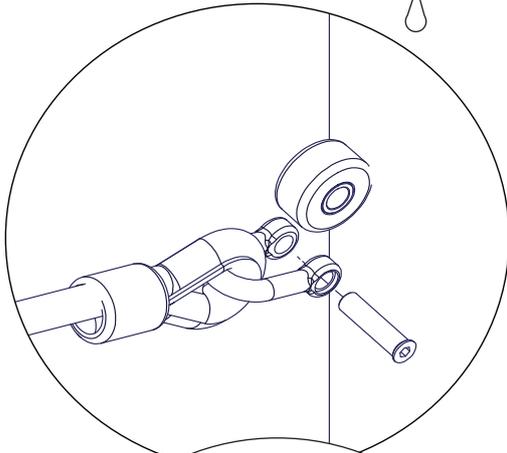
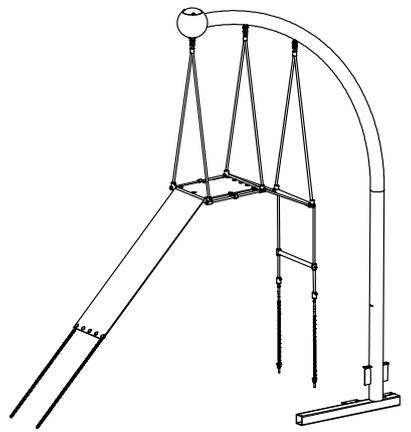
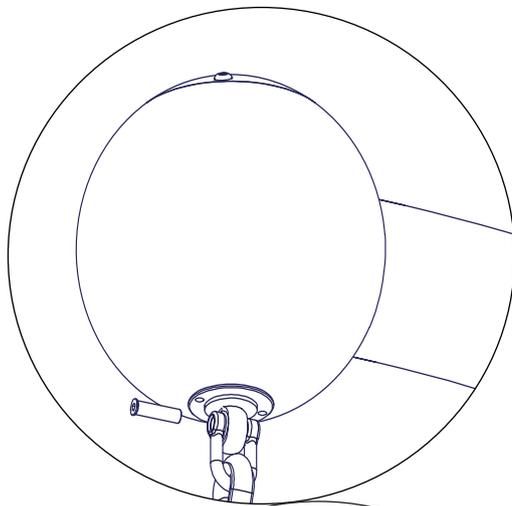
Step 8

+
1090517
1x

6 mm

min.
2,5 m

17 mm



ATTENTION

Temperatur Temperature	Aushärtezeit Curing Time
- 4°C - 0°C	10 hrs.
+ 1°C - +5°C	45 min.
+ 6°C - +10°C	30 min.
+ 11°C - +20°C	20 min.
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