

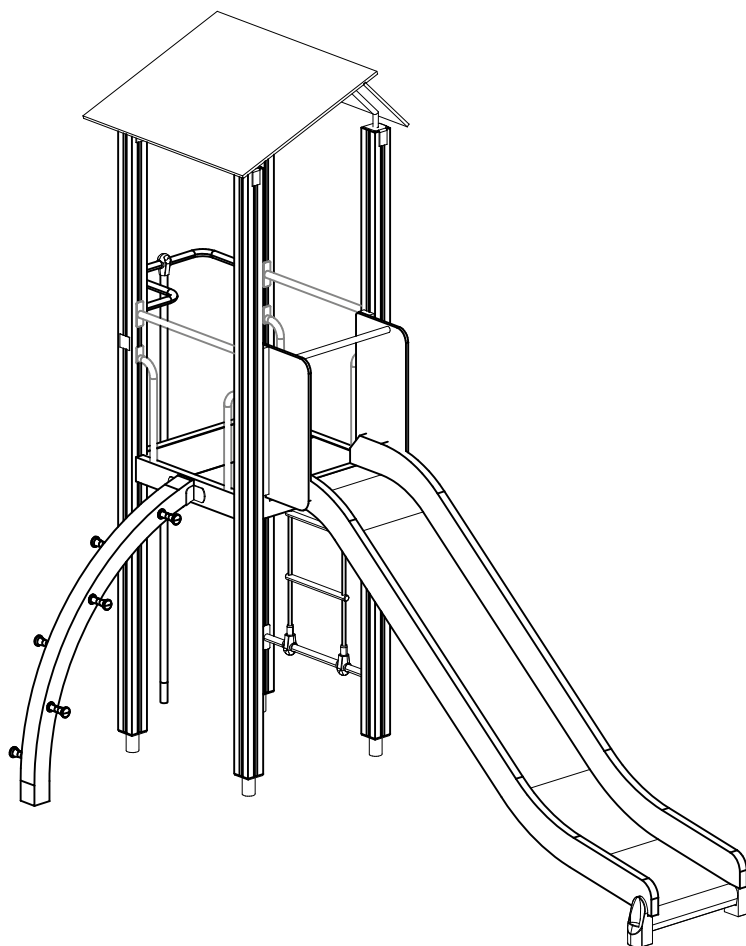
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FINNO

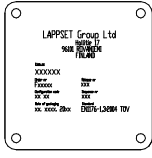
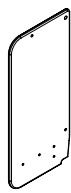
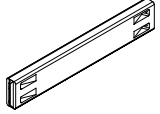
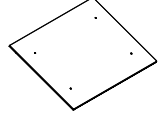
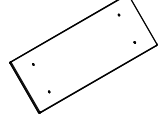
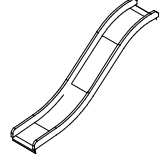
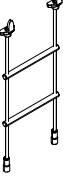
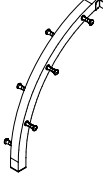

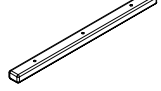
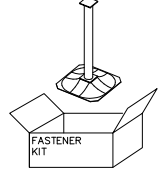
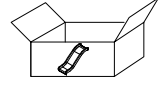
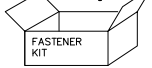
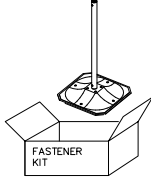
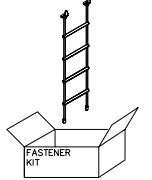

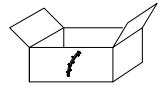
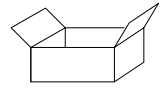
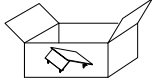
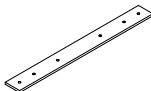
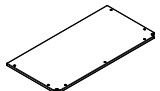
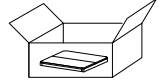
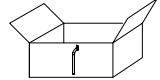
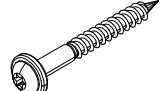
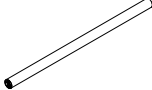


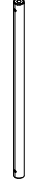
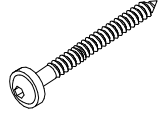
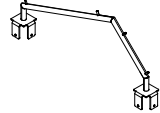
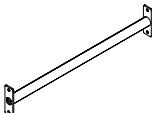
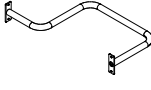



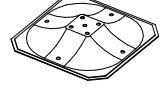
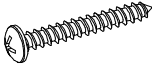
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MONTERINGSANSVISNING
INSTALLATION INSTRUCTION
AUFBAUANLEITUNG
NOTICE D'INSTALLATION

DATE: 20.1.2022

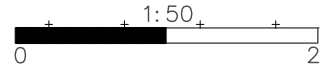
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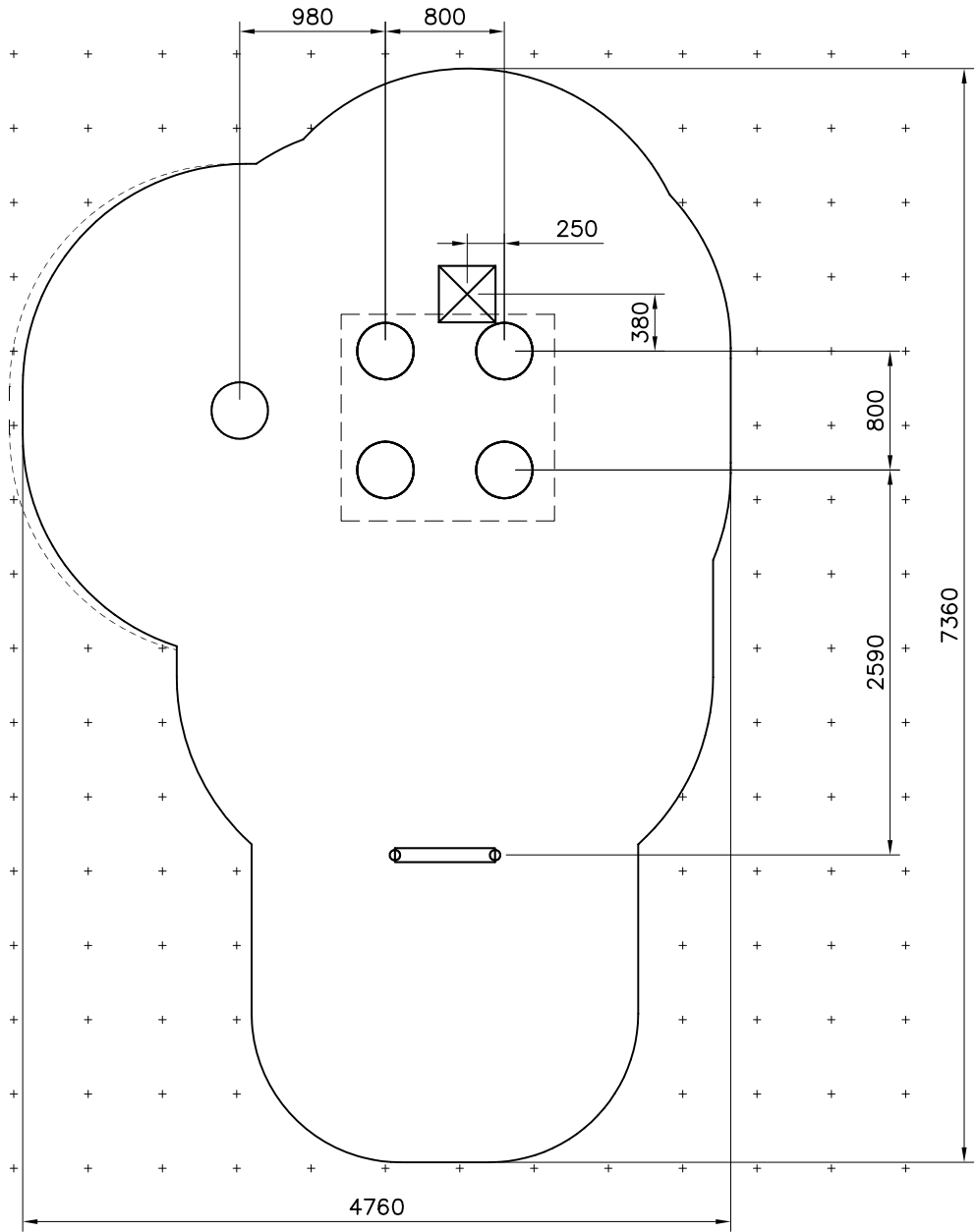
DATE: 20.1.2022

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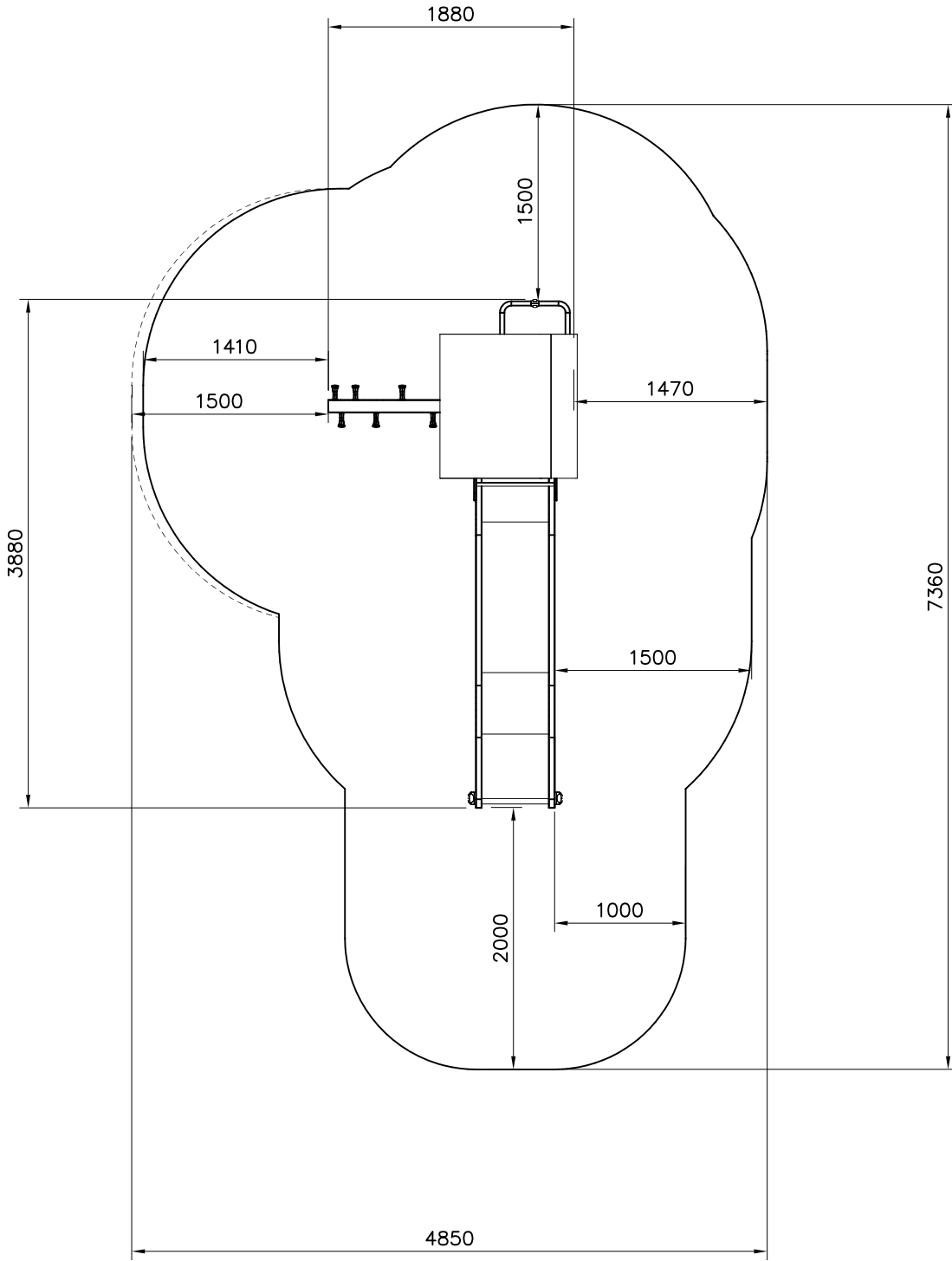
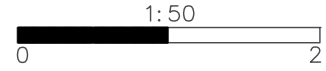
EN/AS Impact Area 25 m²



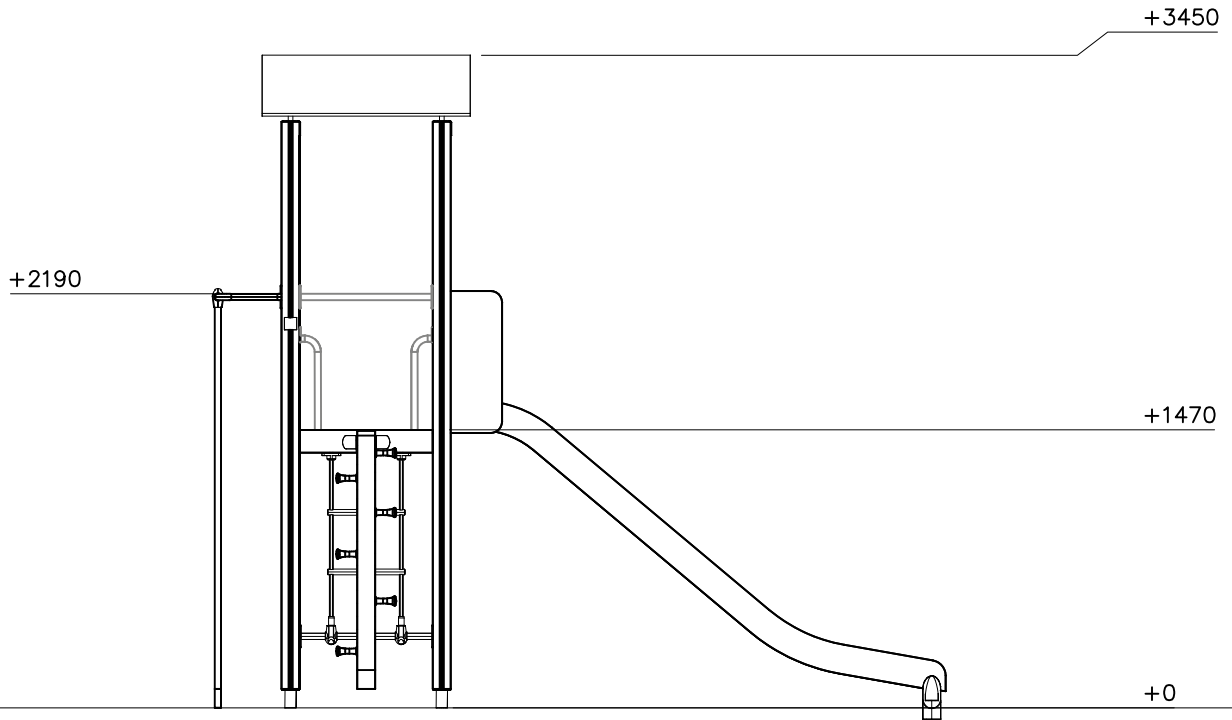
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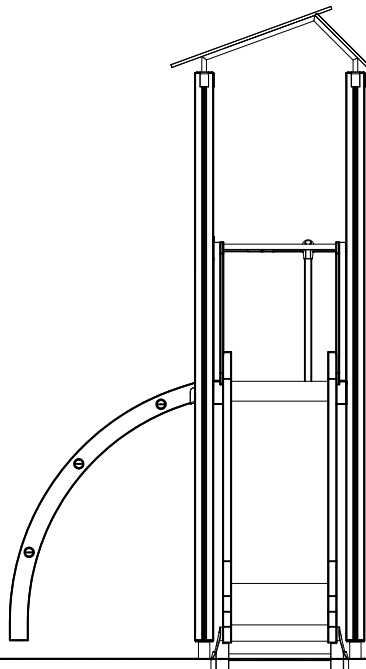
- EN/AS Impact Area 25 m²
- - - Falling Space 25.3 m²
- Max Falling Height 1470 mm

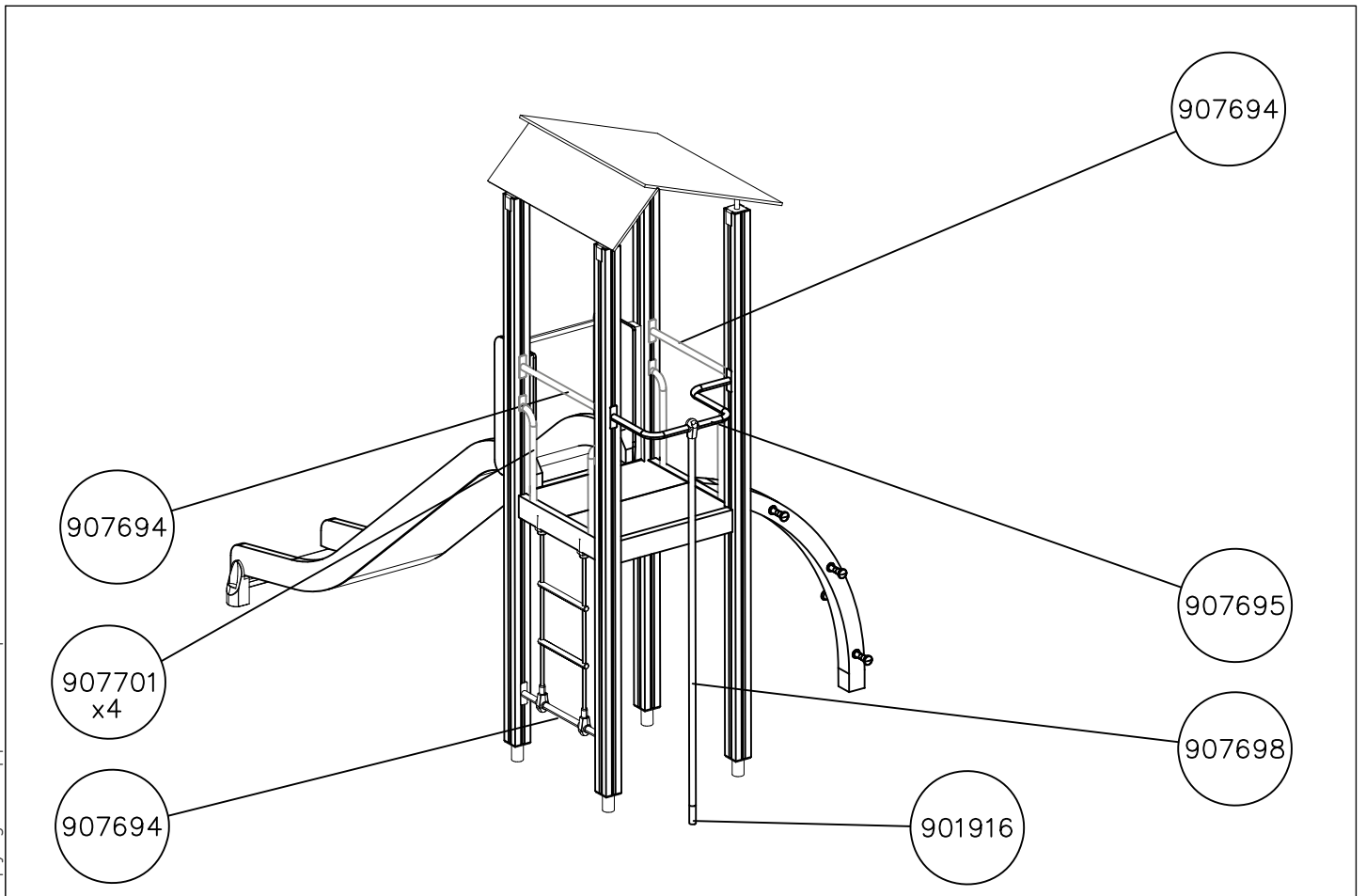
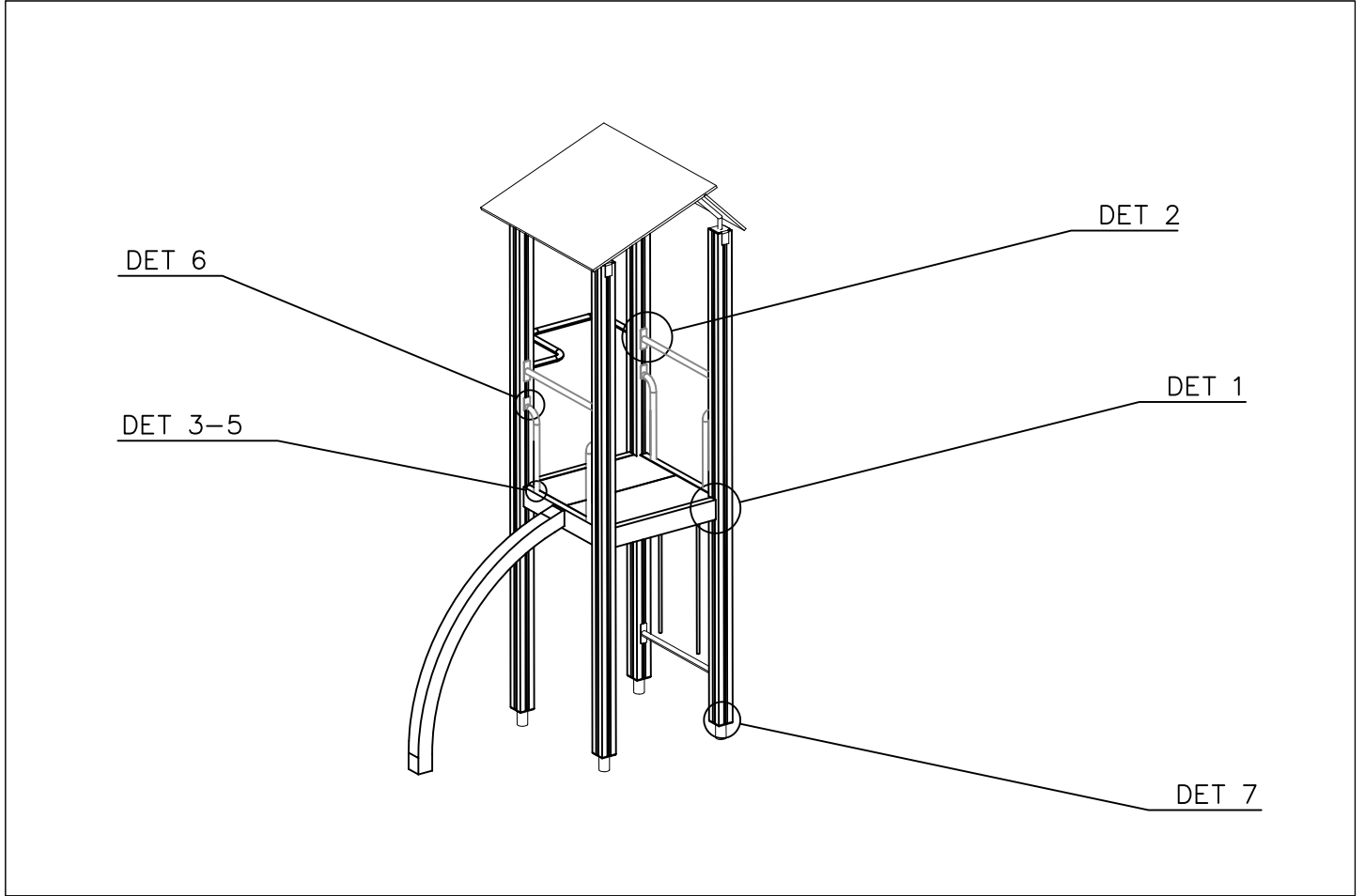


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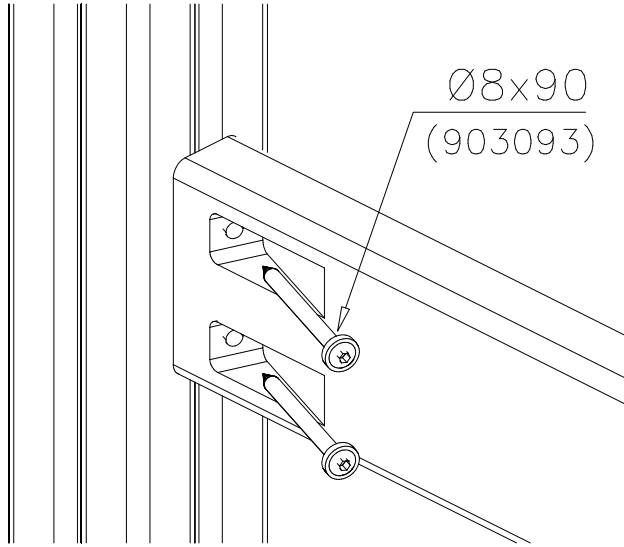


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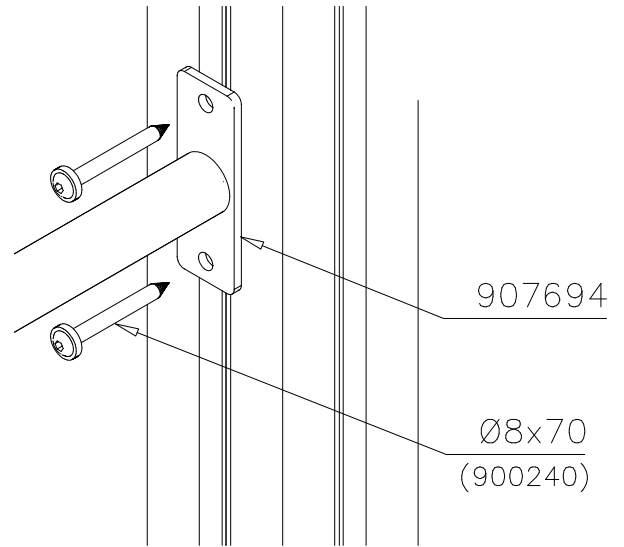




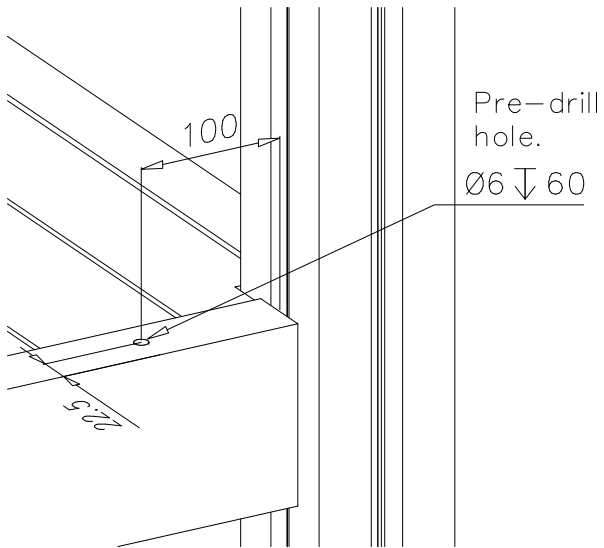
DET 1



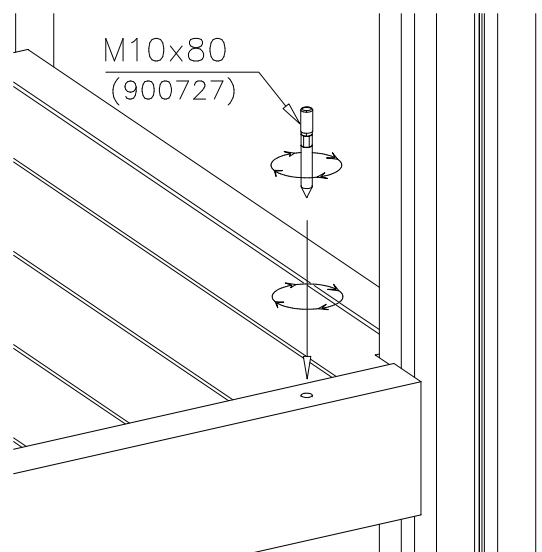
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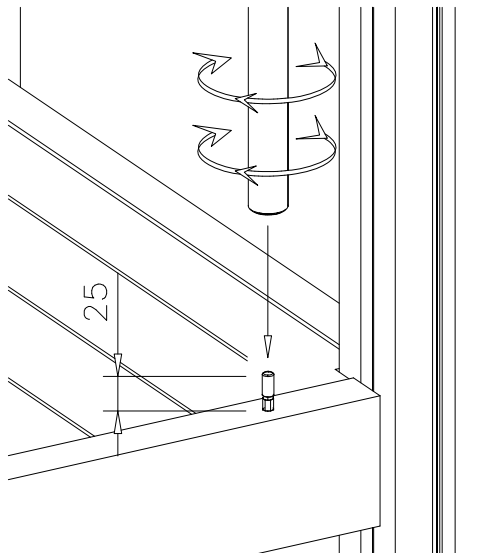
DET 3



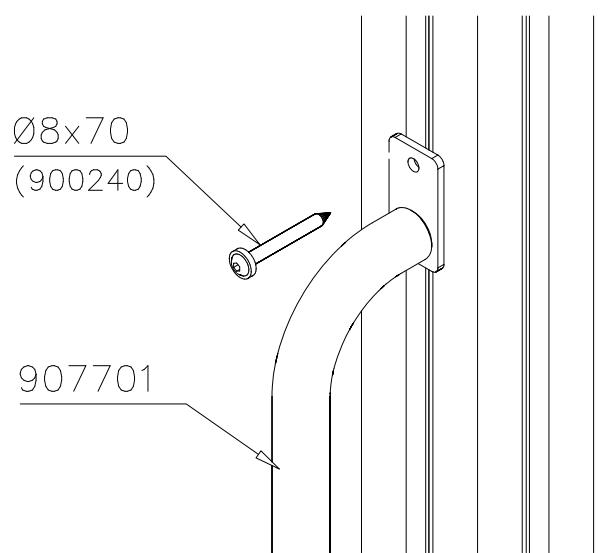
DET 4



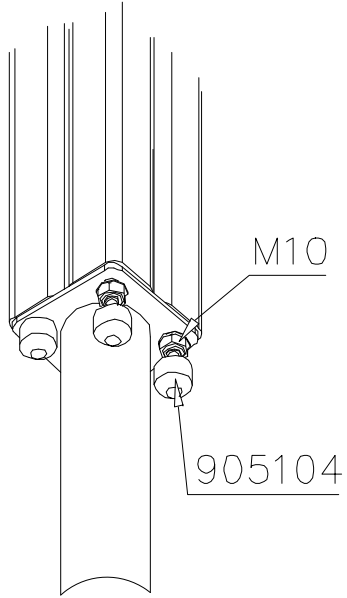
DET 5

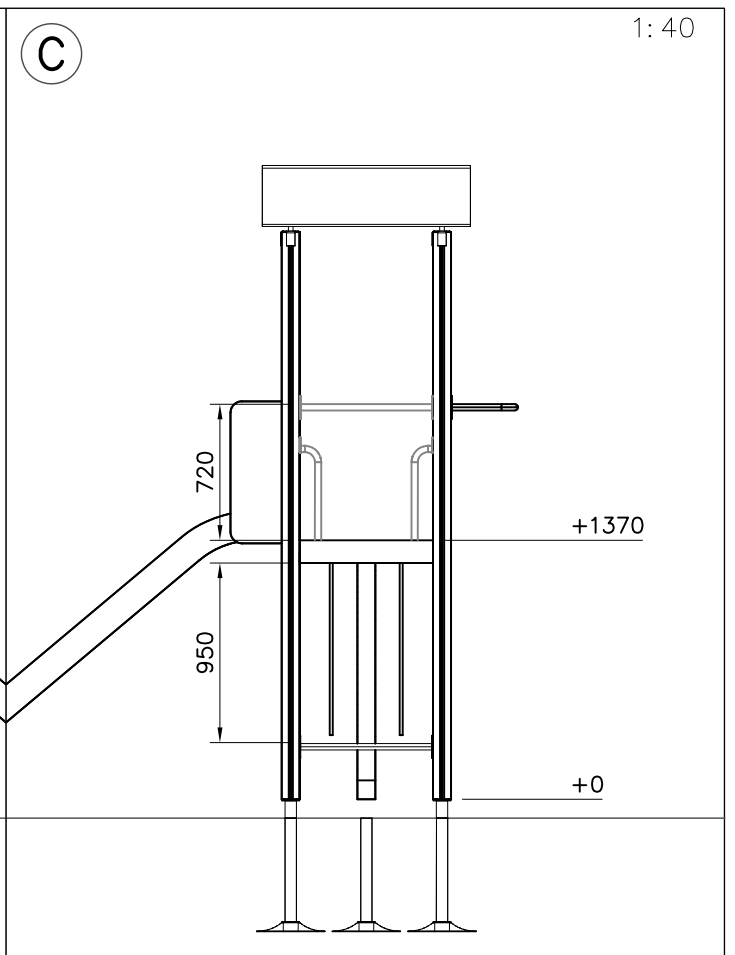
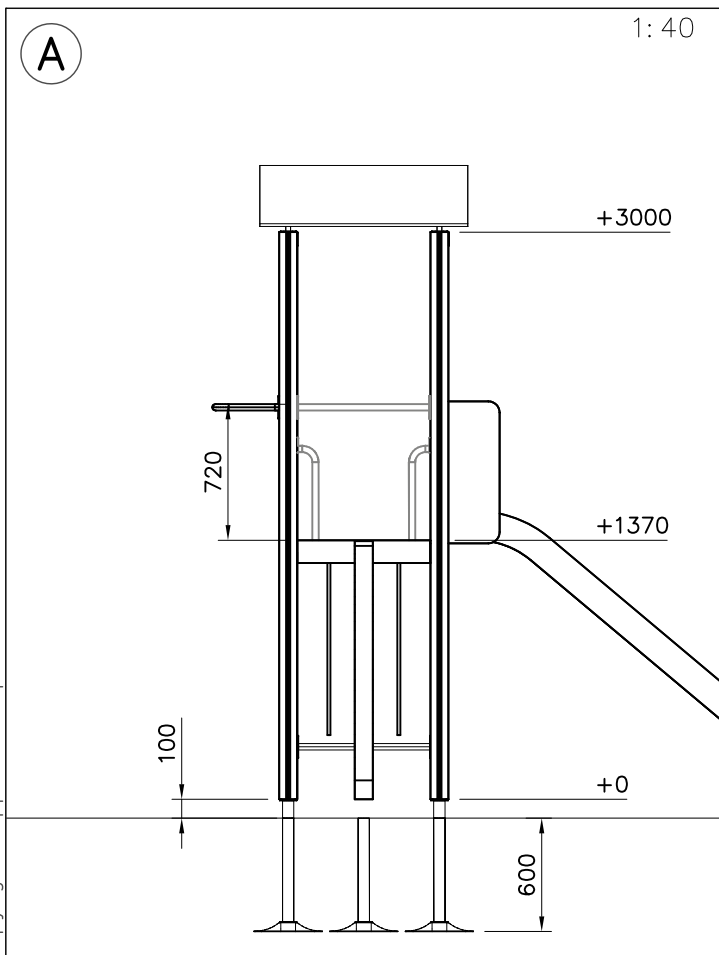
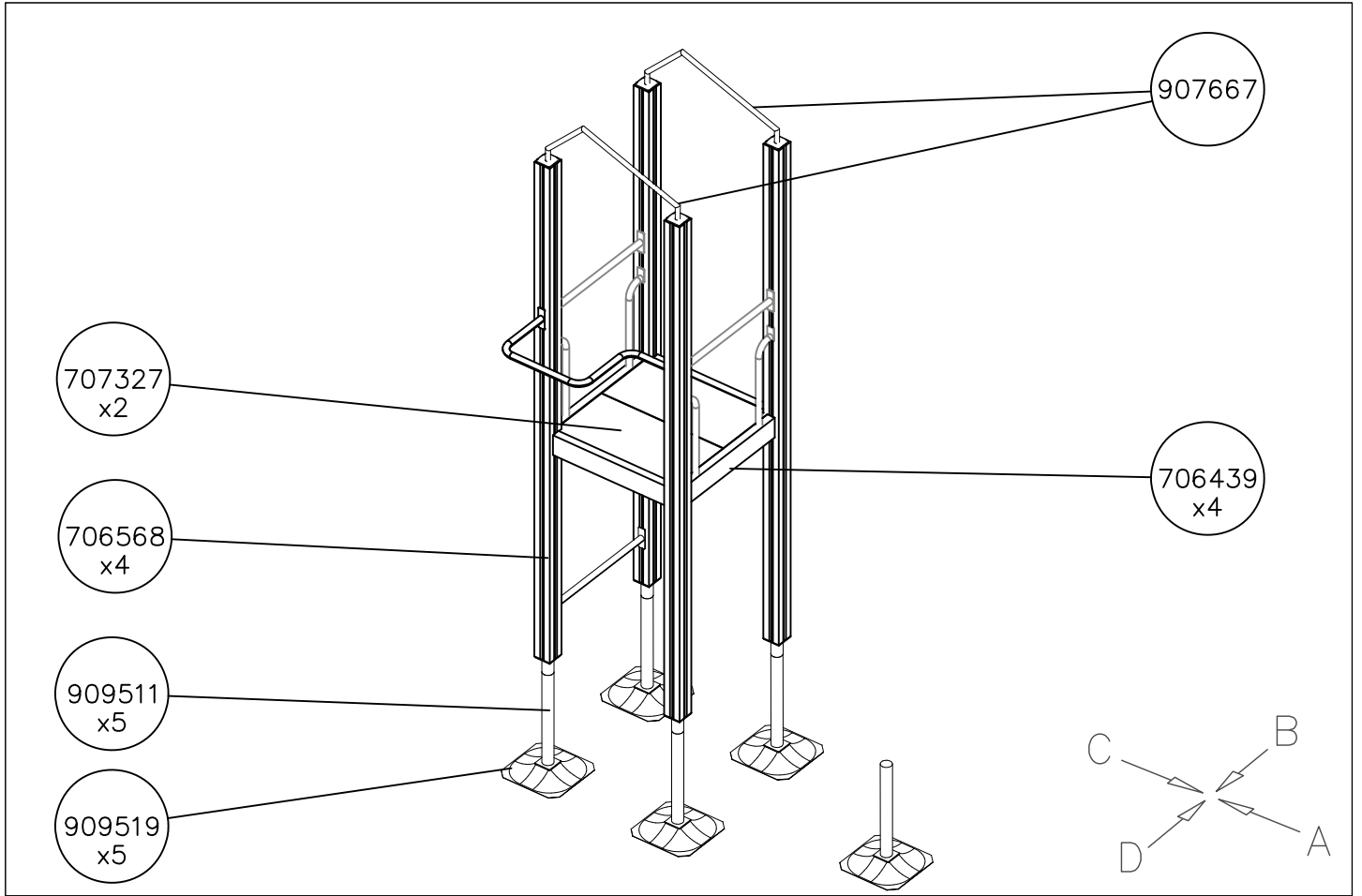


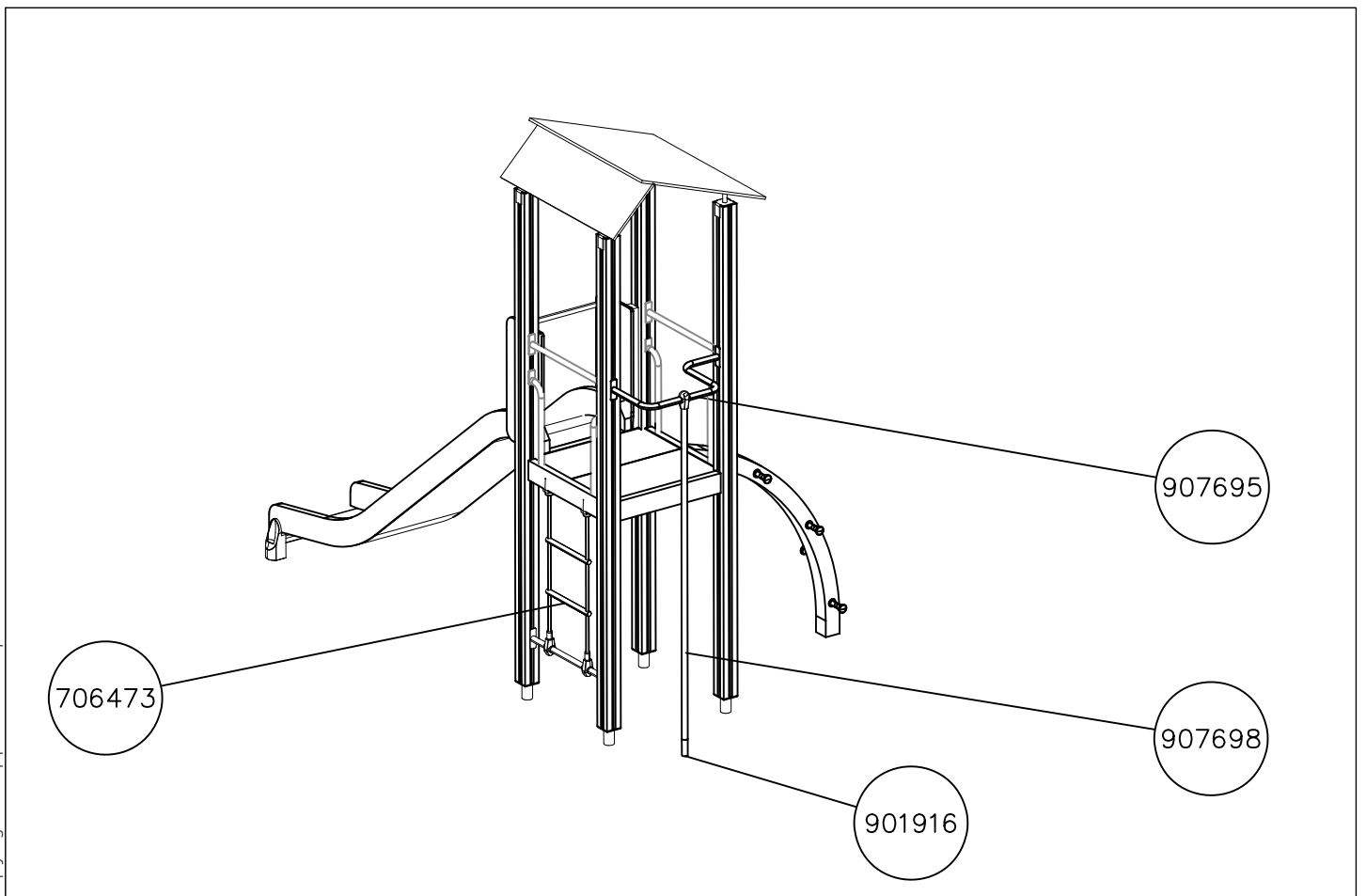
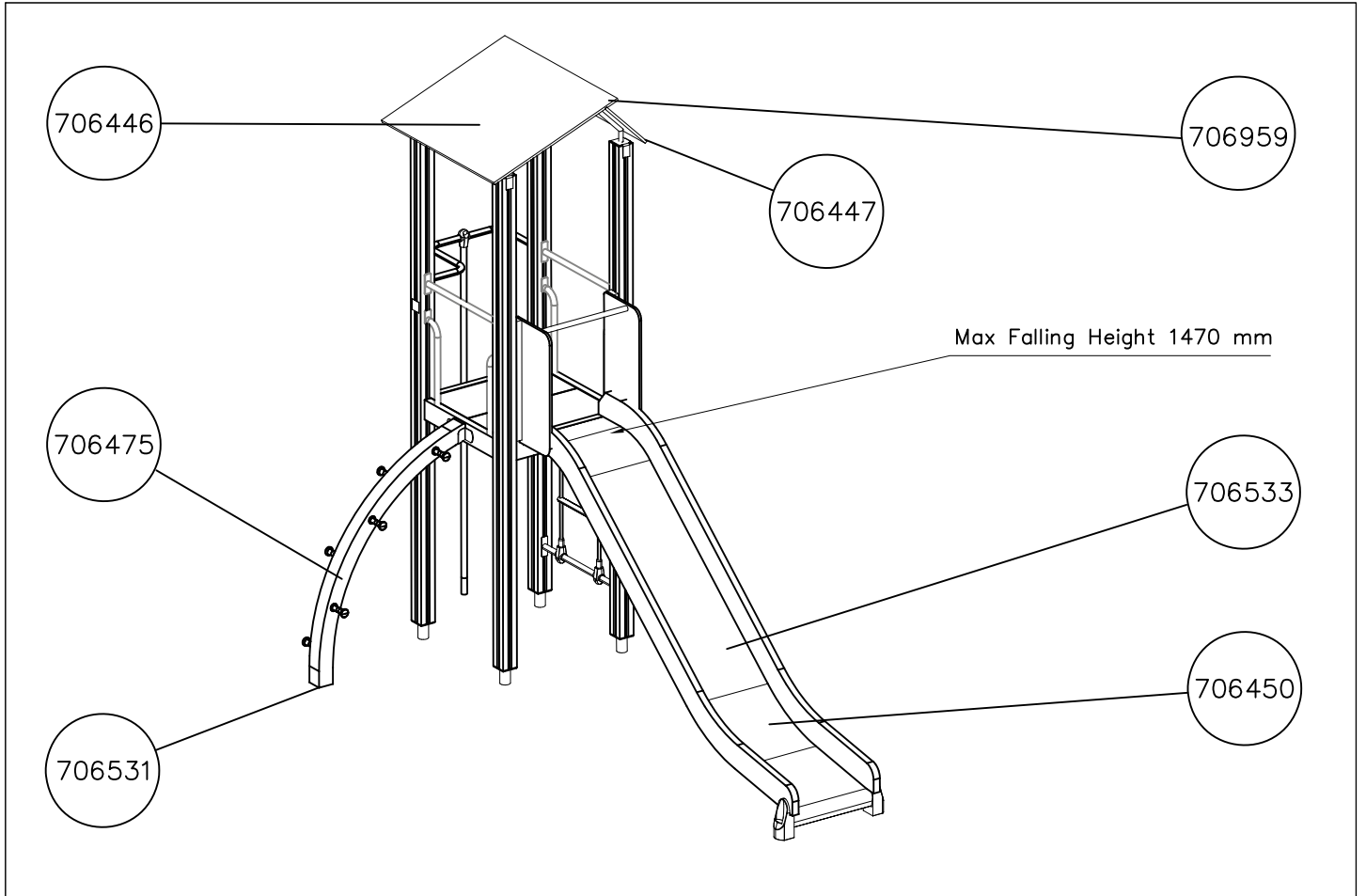
DET 6



DET 7







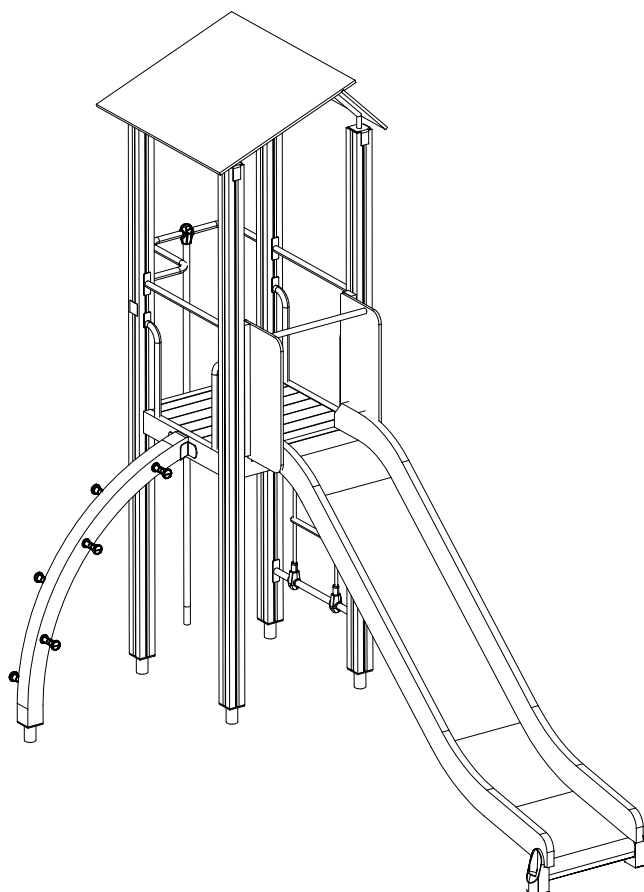
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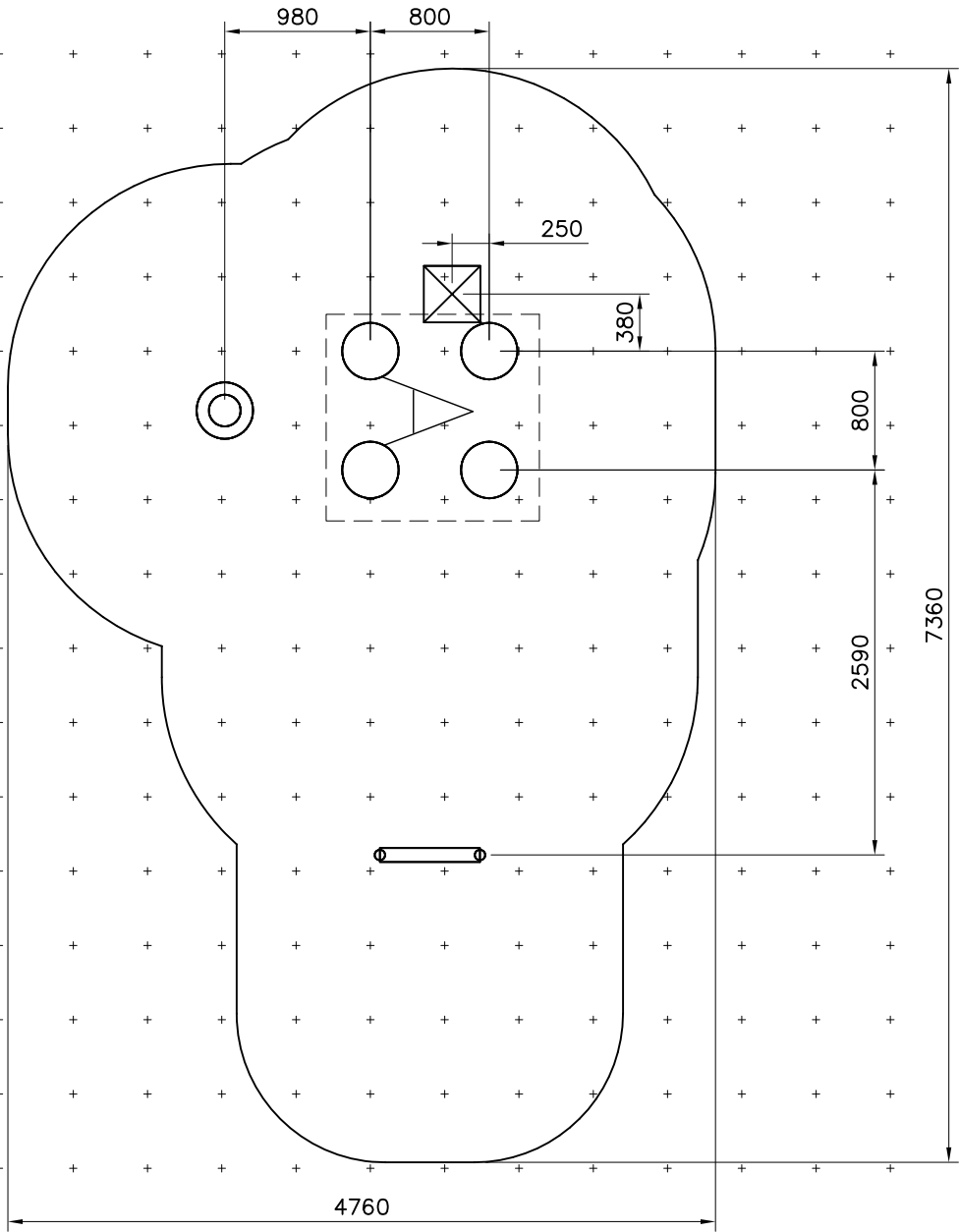
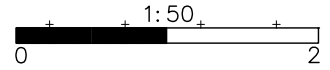
ASENNUSOHJE
MONTERINGSANSVISNING
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NOTICE D'INSTALLATION

DATE: 21.10.2016

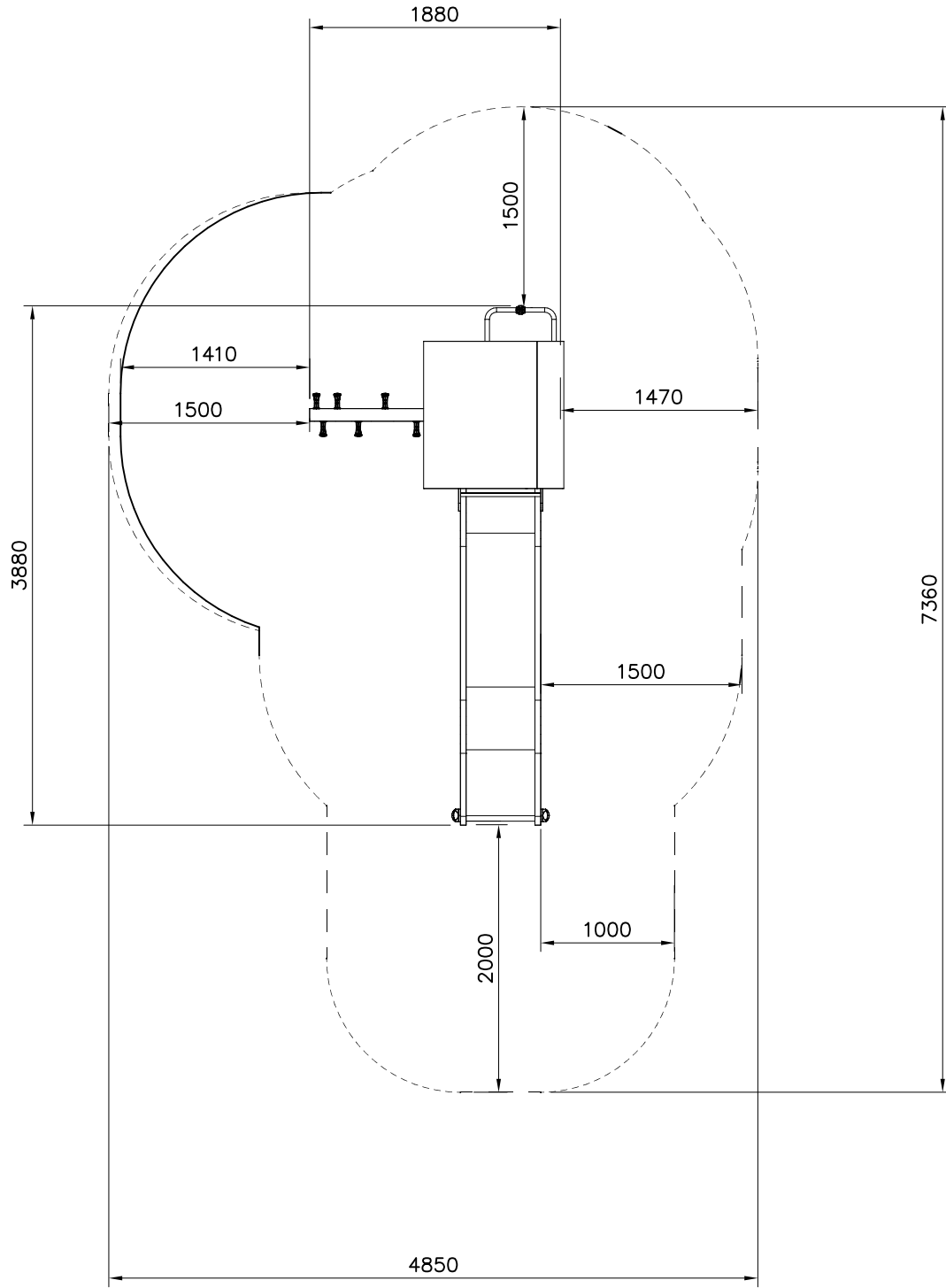
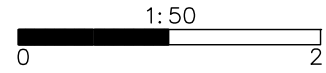
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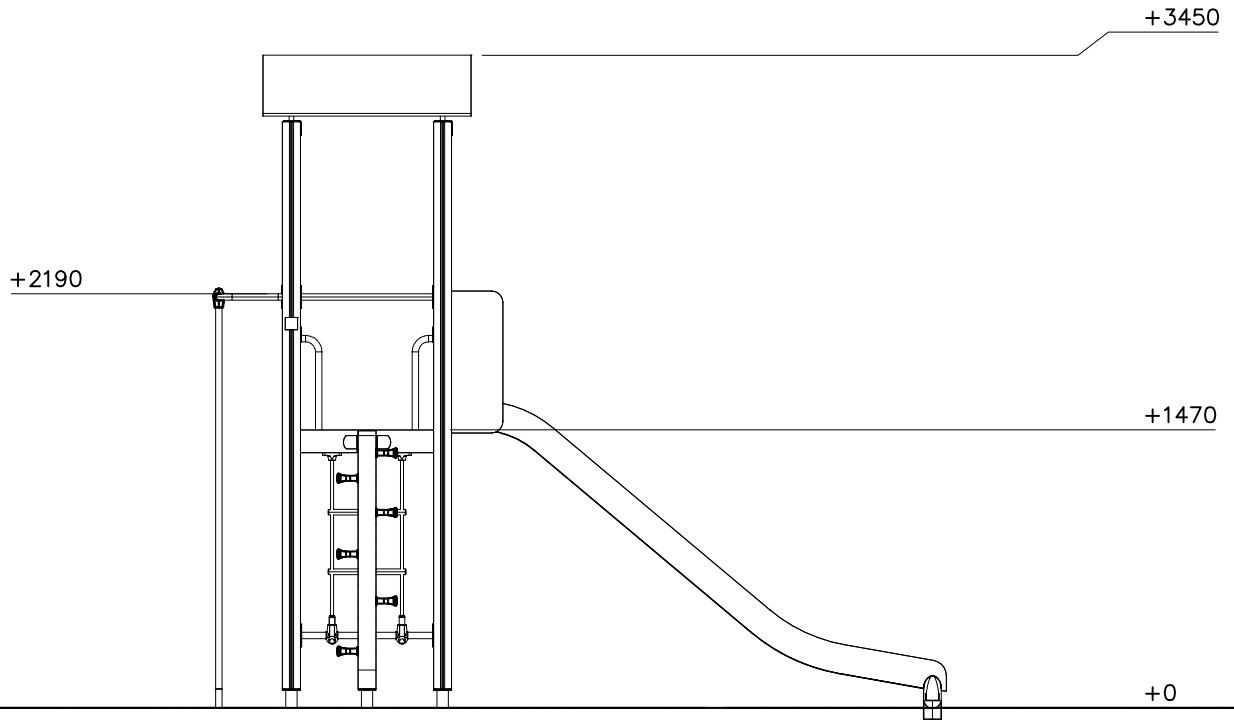
EN/AS Impact Area 25 m²
Grid size = 500 mm



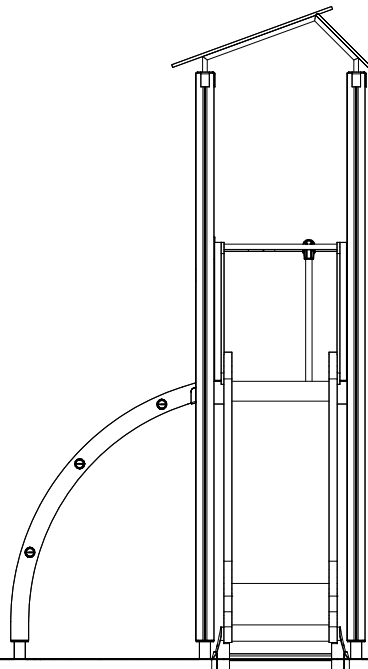
- EN/AS Impact Area 25 m²
- - - Falling Space 25.3 m²
Max Falling Height 1470 mm

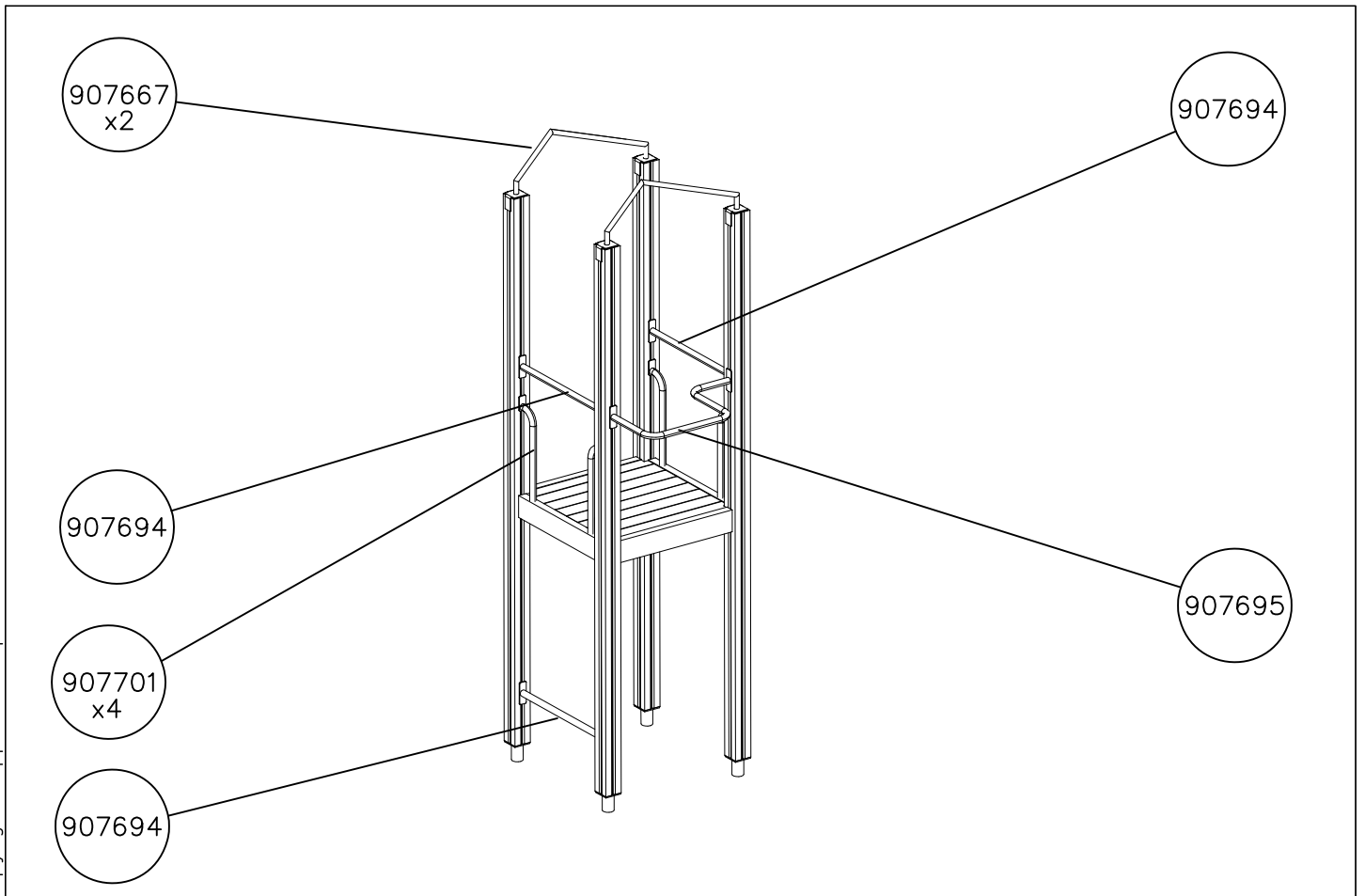
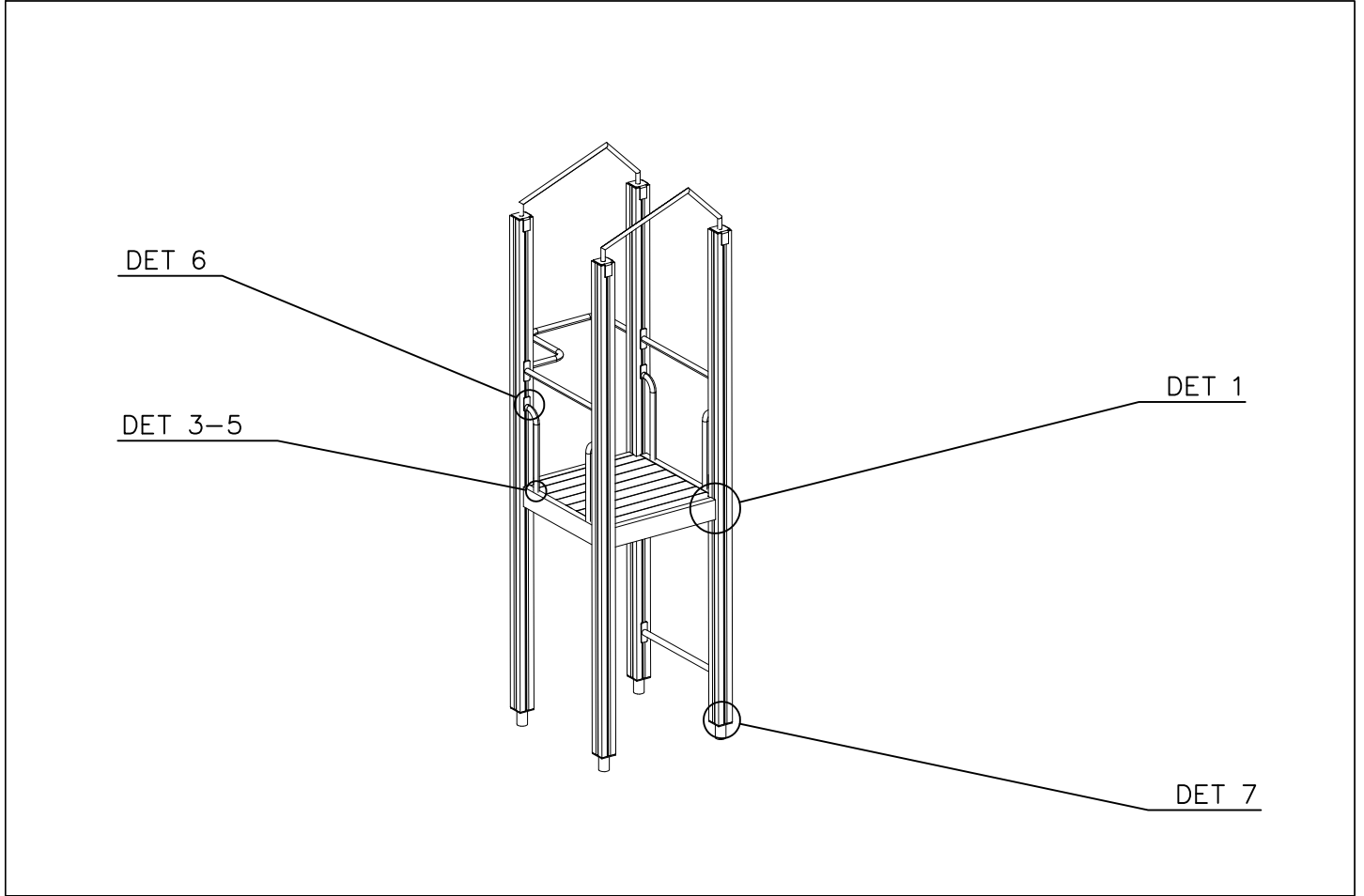


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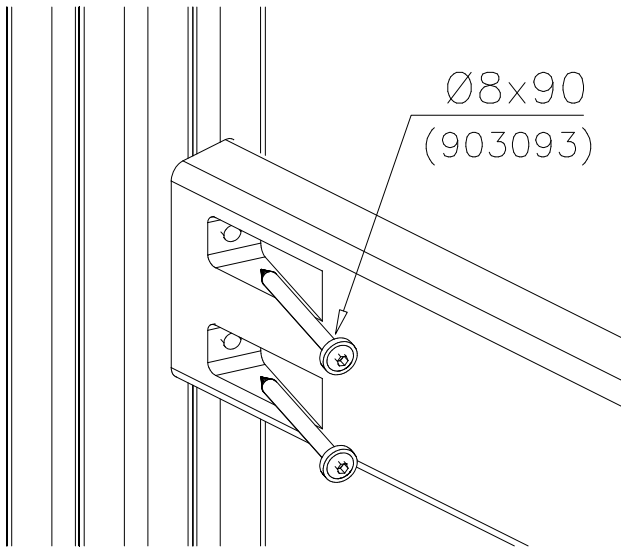


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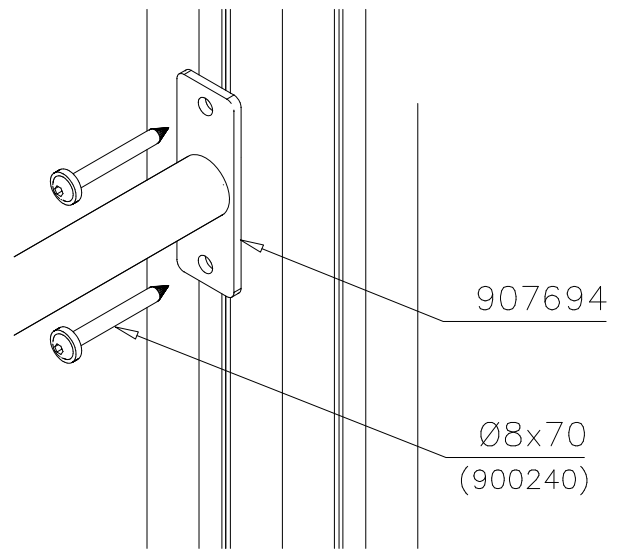




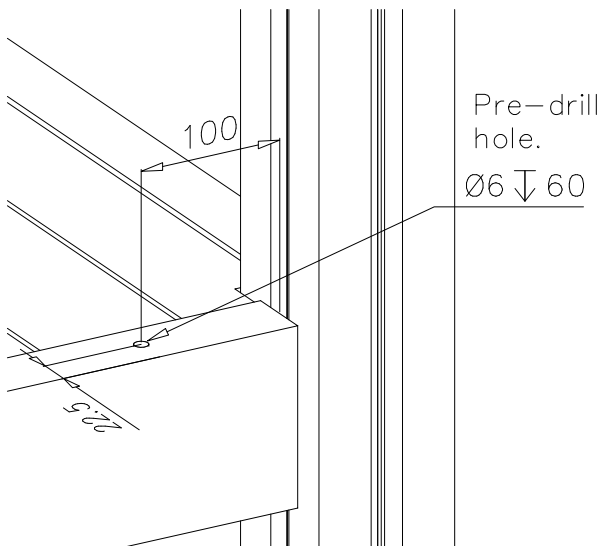
DET 1



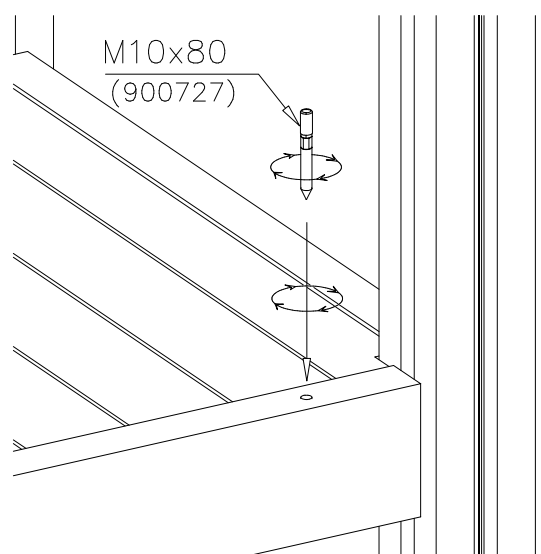
DET 2



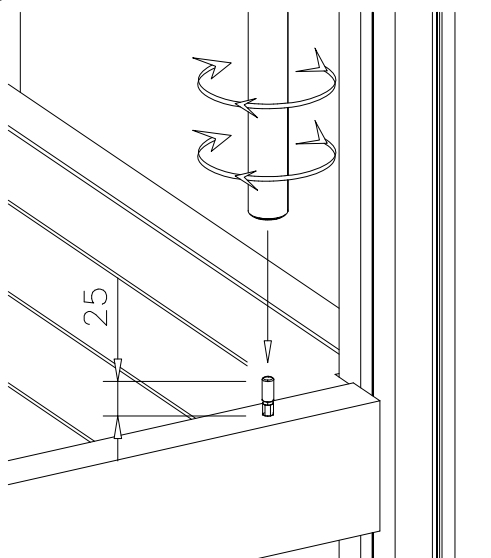
DET 3



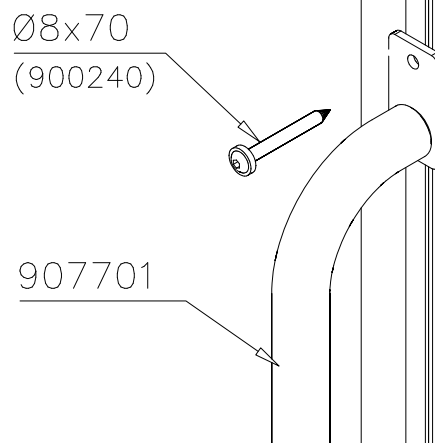
DET 4



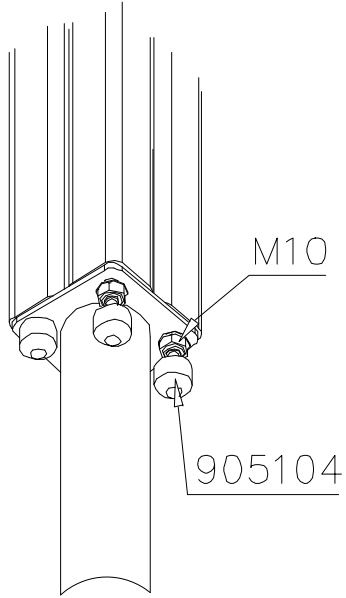
DET 5

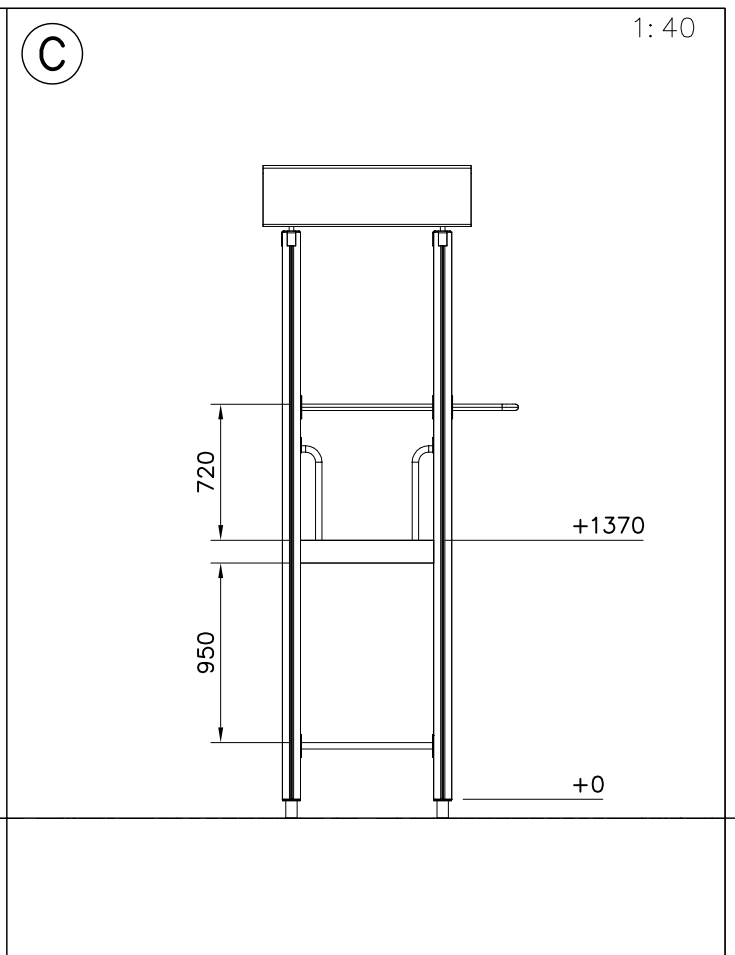
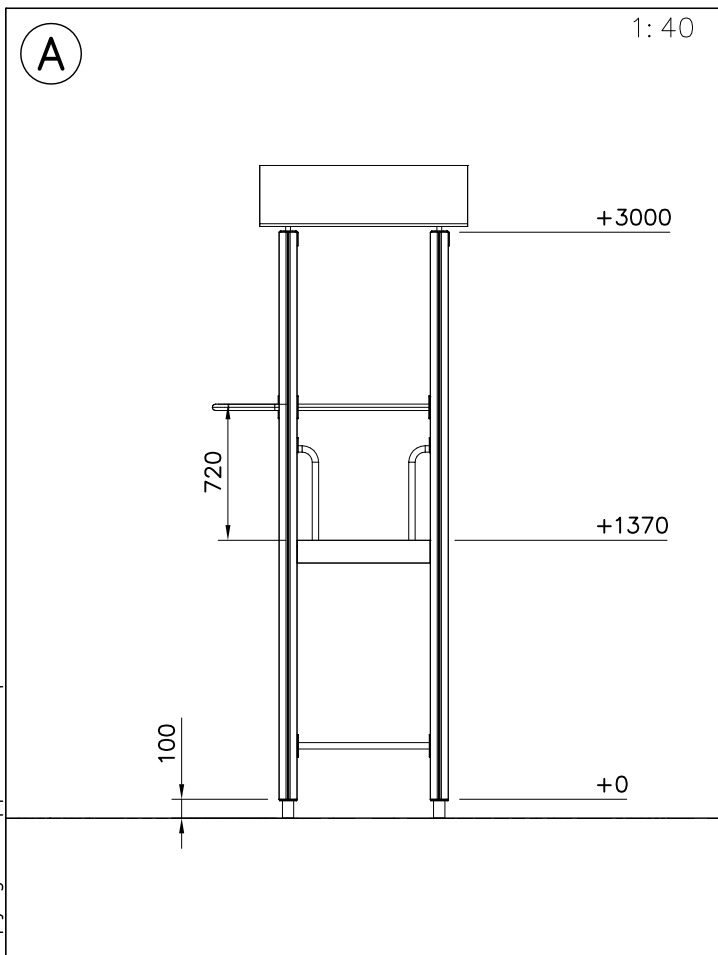
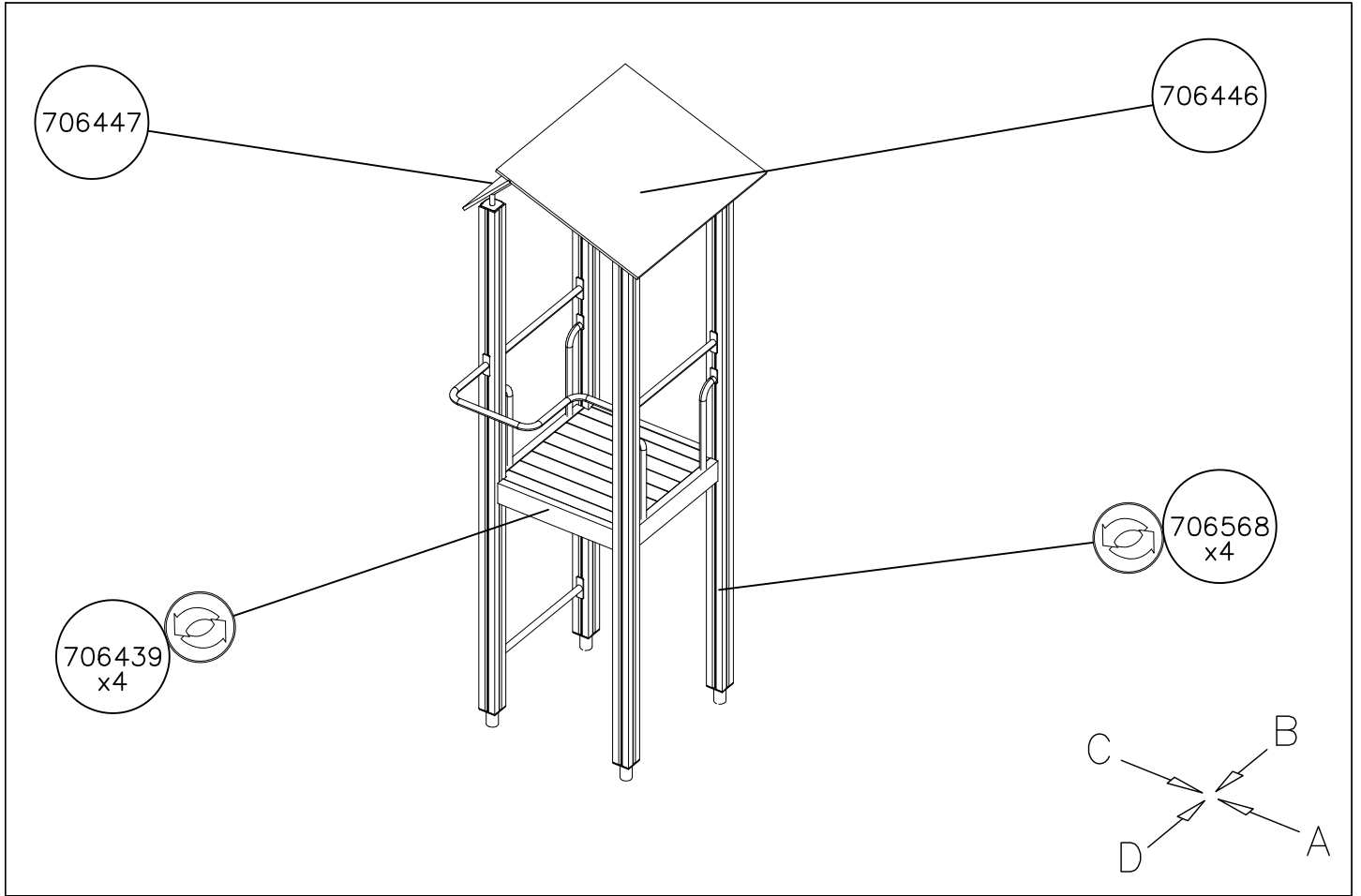


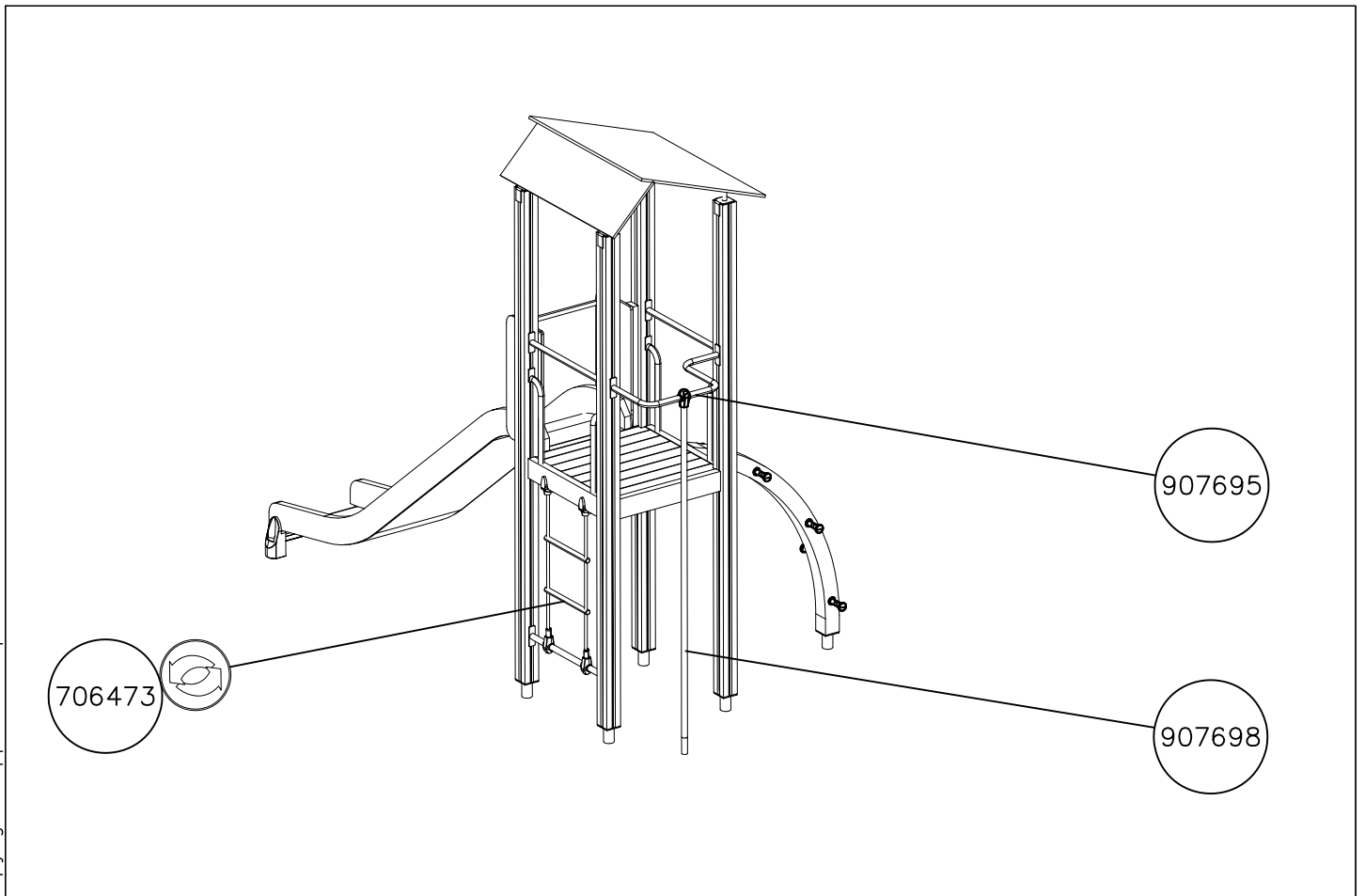
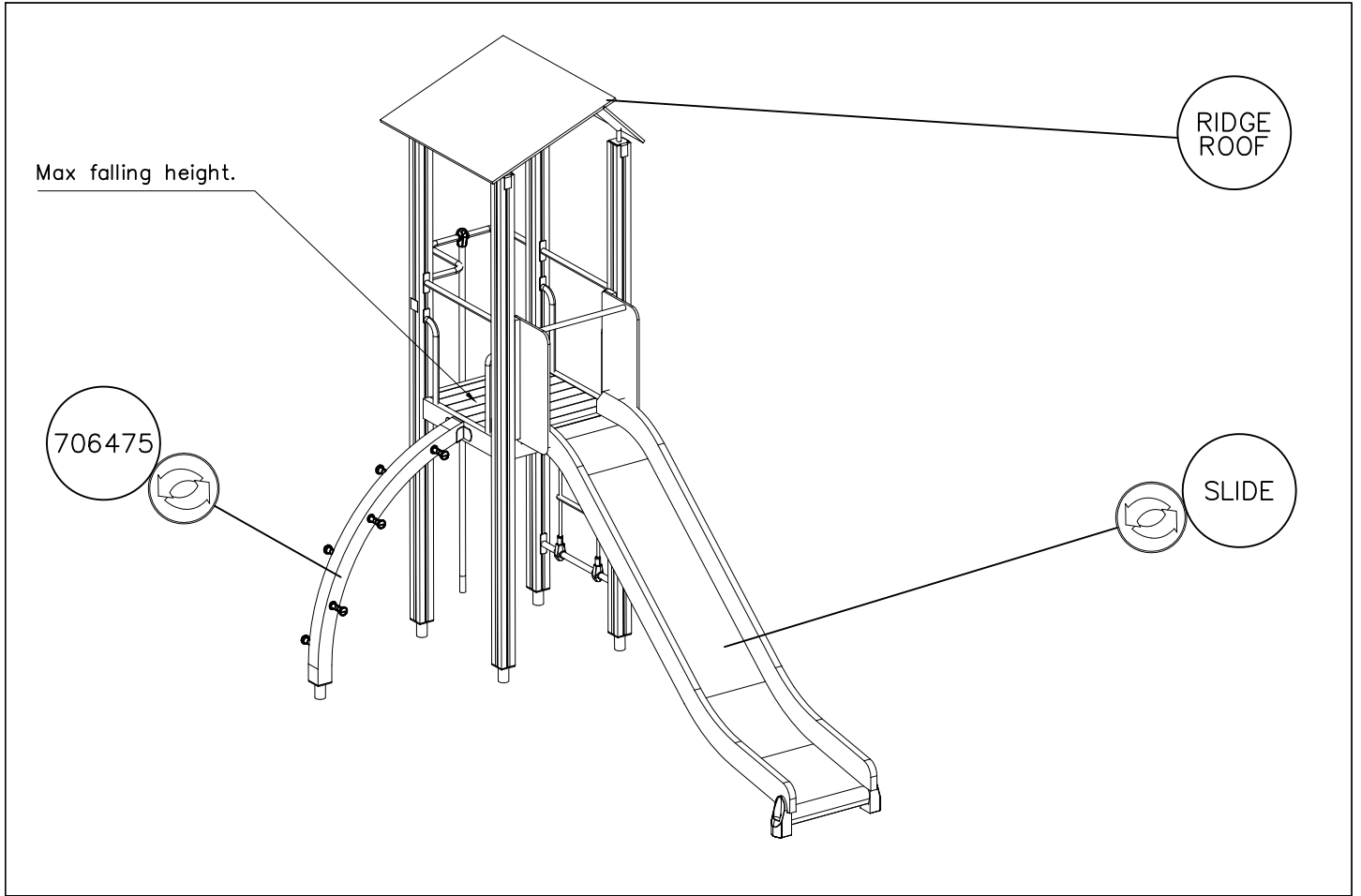
DET 6



DET 7







1. Tarkista tuoteosaluettelon ja osiin merkittyjen tuotenumeroiden avulla, että kaikki osat sisältyvät toimitukseen.
2. Valitse välineelle paikka ottaen huomioon valmistajan asennusohjeessa ilmoittamat turvaetäisyydet. Valitessasi välineen asennussuuntaa, huomioi mahdollinen altistuminen voimakkaalle auringonpaisteelle tai tuulelle. Tasoita alue ja tee ohjeen mukaiset perustustyöt. Varmista, että perustusosien alapuolinen maa on **tiivistetty riittävästi**. Tarvittaessa pohjamaa tulee vaihtaa murskeeseen tai vastaavaan kantavaan maainekseen. Iskua vaimentavan pintamateriaalin vahvuus määräytyy laskentakaavan perusteella, joka esitetään perustusohjeen lisäsivulla.
3. Välineen rungon pystystysohje esitetään sivulla 6. Yksityiskohtaiset kuvat asennuksesta on koottu erillisille ohjesivuille, joissa ne on ryhmitelty kiinnitystavan mukaan. Runkoon kiinnitettävistä komponenteista on erilliset moduuliohjeet. Noudata valmistajan asennusohjeessa ilmoittamia mitoituksia.
4. Tarkasta, että väline on suorassa ja perustukseltaan tukeva. Syväperusteisissa välineissä on suoritettava **riittävä maan tiivistäminen** kaivantojen täytön yhteydessä.
5. Tee käyttöönottotarkastus ennen välineen käyttöönottoa toimitukseen sisältyvän pöytäkirjan mukaisesti. Pöytäkirja tulee dokumentoida. Muista, että pääsy välineeseen tulee estää, kunnes se on valmis, turvallinen ja kaikki asennustarvikkeet on viety pois.

1. Kontrollera stycklistan och delarna i förpackningen med hjälp av produktnumren.
2. När du väljer platsen för utrustningen bör du beakta de säkerhetsavstånd som tillverkaren meddelat i monteringsanvisningarna. När du väljer monteringsriktning måste du beakta eventuell exponering för solsken eller vind. Jämna ut underlaget och utför grundarbetet i enlighet med instruktionerna. Säkra att marken under fundamentet är tillräckligt komprimerad. Vid behov kan man ersätta jorden med krossad sten eller motsvarande bärande jordmaterial. Styrkan på det slagdämpande ytmaterialet bestäms med hjälp av beräkningsformeln som presenteras på fundamentinstruktionernas tilläggsida.
3. Monteringsanvisningarna till utrustningens stomme finns på sidan 6. Detaljerade bilder av installationen har samlats på separata instruktionssidor, där de har grupperats enligt monteringsmetod. Det finns specifika modulanvisningar till de komponenter som ska sättas fast i stommen. Följ de dimensioner som tillverkaren gett i monteringsanvisningarna.
4. Kontrollera att utrustningen står rakt och stabilt. För utrustningar med djupt fundament måste man komprimera jorden ordentligt när man fyller igen groparna.
5. Innan utrustningen tas i bruk ska en slutbesiktning i enlighet med protokollet i leveransen utföras. Protokollet måste dokumenteras. Kom ihåg att tillträde till utrustningen måste förhindras tills den är färdig monterad, säker och alla monteringsstillbehör avlägsnats.

1. Use the parts list and the markings on the components to make sure that you have all of the necessary parts.
2. Choose a location for the product, taking into account the safety margins specified in the mounting instructions. When deciding on the orientation of the product, pay attention to potential sun and wind loads. Level the ground and prepare the foundations as instructed. Make sure that the ground underneath the foundations is solidly packed. If necessary, replace soil with wood chips or some other sturdy material. The thickness of the safety surfacing should be calculated using the formula supplied with the mounting instructions.
3. Assemble the frame of the product in accordance with the instructions on page 6. Detailed instructions for the different mounting alternatives are shown in the supplement. Separate instructions are provided for the modular components that will be attached to the frame. Please follow the stated measurements carefully.
4. Make sure that the product is mounted straight and firmly into the ground. Remember to pack the soil carefully when refilling the excavation around deep-mounted structures.
5. Inspect the installation thoroughly using the checklist provided. Document the completed checklist carefully. Remember to stop children from using the product until it has been fully built and safety-tested and all mounting equipment has been cleared away.

1. Überprüfen Sie die Lieferung auf Vollständigkeit, indem Sie das Teileverzeichnis mit der Lieferung abgleichen.
2. Wählen Sie einen Standort für das Gerät und berücksichtigen Sie die vom Hersteller in der Installationsanleitung genannten Sicherheitsabstände. Bei der Ausrichtung des Gerätes beachten Sie den möglichen Einfluss von starker Sonneneinstrahlung oder Wind. Ebenen Sie den Bereich und führen Sie die Fundamentarbeiten nach der Anleitung durch. Stellen Sie sicher, dass der Boden unter den Fundamentteilen ausreichend verdichtet ist. Wenn nötig, muss das Untergrundmaterial durch Split oder ein anderes tragfähiges Material ausgetauscht werden. Die Stärke des stoßdämpfenden Oberflächenmaterials wird auf Grundlage einer Formel berechnet, die im Anhang der Anleitung für die Fundamente dargestellt ist.
3. Die Aufbauanleitung für den Rahmen des Gerätes finden Sie auf Seite 6. Detaillierte Bilder der Installation sind auf gesonderten Anleitungsseiten zusammengestellt, auf denen sie nach ihrer Befestigungsweise geordnet sind. Für die am Geräterahmen befestigten Komponenten gibt es besondere Modulanleitungen. Halten Sie die in der Installationsanleitung vom Hersteller genannten Maße ein.
4. Überprüfen Sie, dass das Gerät in Waage steht und sicher am Boden verankert ist. Bei Geräten mit Tiefenfundamenten muss der Boden beim Auffüllen des Aushubs ausreichend verdichtet oder betoniert werden.
5. Führen Sie eine Inbetriebnahmeüberprüfung entsprechend des im Lieferumfang enthaltenen Protokolls durch, bevor das Gerät benutzt wird. Das Protokoll muss aktenkundig dokumentiert werden. Denken Sie daran, dass der Zugang zum Gerät verhindert werden muss, bis es fertig und sicher ist und alle Installationswerkzeuge entfernt sind.

1. Vérifier à l'aide de la liste des pièces et des numéros de produit marqués sur les pièces que la livraison comprend toutes les pièces nécessaires.
2. Choisir un bon emplacement pour l'équipement, compte tenu des distances de sécurité indiquées par le fabricant dans les instructions de montage. Tenir compte de l'exposition éventuelle aux forts rayons de soleil ou au vent lors du choix du sens de montage de l'équipement. Egaliser la surface de l'emplacement choisi et effectuer les travaux de fondation conformément aux instructions. S'assurer que le sol sous les pièces de fondation a été suffisamment compacté. Si besoin est, le sol de fondation doit être remplacé par des pierres concassées ou un matériau portant similaire. L'épaisseur du matériau de surface anti-choc est calculée selon la formule indiquée à la page supplémentaire des instructions de fondation.
3. Les instructions d'érection de l'ossature de l'équipement sont indiquées à la page 6. Les images détaillées du montage sont adjointes aux pages d'instruction séparées où elles sont groupées selon le mode de fixation. Des instructions modulaires séparées sont données pour les composants à fixer sur l'ossature. Respecter les mesures données par le fabricant dans les instructions de montage.
4. Vérifier que l'équipement est droit et que sa fondation est solide. Dans le cas des équipements dont la fondation se trouve sous le sol, le sol doit être suffisamment compacté lors du remplissage des trous.
5. Effectuer un contrôle de mise en service conforme au procès-verbal compris dans la livraison avant la mise en service de l'équipement. Ce procès-verbal doit être documenté. Ne pas oublier d'empêcher l'accès à l'équipement jusqu'à ce que celui-ci soit prêt et sûr et que tous les outils de montage aient été enlevés.

Safety requirements for playground equipment

Revision 1.2

This document describes safety requirements for post-installation inspections and annual inspections for public access playgrounds. It is assumed that the user of this document has a basic knowledge of playground safety requirements as laid out in European standard EN1176. The focus here is on requirements that are applicable to the Lappset product range.

The instructions are simplified. Details such as decimal places or even some minor requirements are left out to improve clarity. If any point is unclear the user should refer to the actual text of EN1176 year 2008 edition.

Inspections

Post-installation inspections should be carried out before the playground is opened to the public. It may be carried out by any competent person. However it is suggested that this person was not involved in the installation. A signed and dated report should be completed and saved.

Routine inspections are only necessary where vandalism is commonplace. It can be expected that parents will report any defects to a telephone number that is clearly visible in the playground.

The manufacturer may determine an operational inspection with 1-3 month intervals for some specific equipment. Usually this is required due to wear, excessive movement or for products with critical structural integrity.

An annual inspection is the most important maintenance procedure. Usually after Winter products are checked for risks caused by wear, breakage and the like. The overall safety level should be established by maintenance at this time or by recording any faults and arranging for their immediate repair.

Shock absorbing surfacing

Whether the product does or does not have an Impact Area, a Falling Space exists. The extent of the Falling Space should be a minimum of 150 cm and as high as the Falling Height. There should not be objects that are BOTH hard AND sharp. Such objects could be large stones, thorn bushes, fences and walls.

Extent of the Impact Area (marked X) depends on the type of equipment.

- For climbing equipment
 - Falling Height between 60 – 150 cm => $X = 150$ cm
 - Falling Height (marked Y) between 150 – 300 cm => $X = \frac{2}{3} * Y + 50$ cm

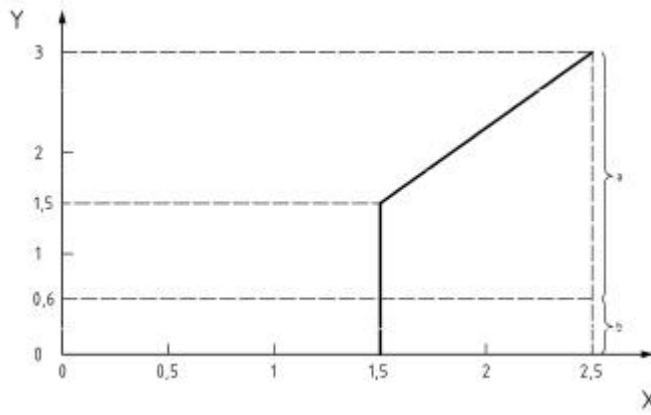


Figure 1. Falling Height's relation to extent of impact area (Source SFS-EN1176).

If $0,6 \leq y \leq 1,5$ then $x = 1,5$ (in meters)

If $y > 1,5$, then $x = 2/3 y + 0,5$

Y free fall height

X minimum dimension of impact area

a impact attenuating surface with requirements

b surface with no requirements, unless there is forced movement

- For swings

- To the side:
 - For normal seats 88 cm from the centerline
 - For large seats 88 cm from a line which is 25 cm inside of the seat's edge
- In front and behind:
 - $0,867 \times \text{chain length} + 225$ cm
 - In case of level surfacing, the furthest 50 cm has no shock absorbing requirements.

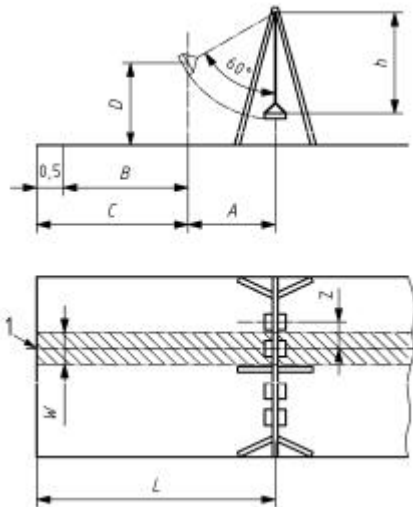


Figure 2. Extents of swing's impact area (Source SFS-EN1176).

A $0,867 \times h$

B 1,75 m for level impact absorbing surface (normally synthetic)

C 2,25 m for contained impact absorbing surfaces (normally loose fill)

D maximum free fall height

L A + B or A + C

W width of the impact area

Z distance between swing axes

h length of the suspension member

- For slides

- Sliding section
 - For sections with a height less than 60 cm => 100 cm
 - For sections with a height more than 60 cm => the area is the same as for climbing equipment.

- Run-out section:
 - To the side 100 cm
 - Forward
 - For type 1 slides: 200 cm
 - For type 2 slides, where the speed stops entirely before exit: 100 cm
 - A radius of 100 cm at corners

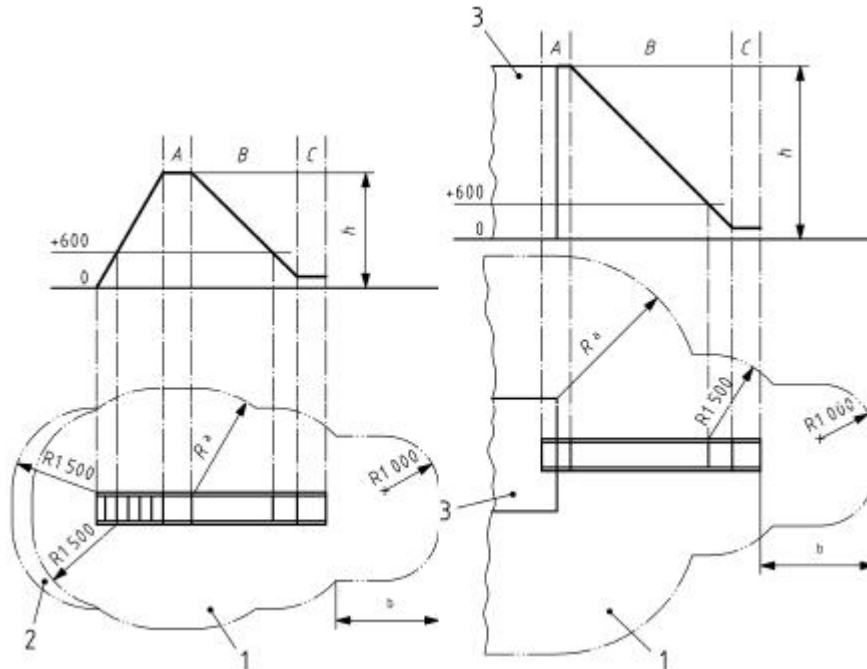


Figure 3. Extent of slide's impact area (Source SFS-EN1176).

A starting section
 B sliding section
 C run-out section
 h free fall height

- For cableways
 - 200 cm to each side
 - Exit zone:
 - Extends 200 cm beyond the point where the seat traveler is against the stopper and the suspension element is at a 45° angle.
 - Exit zone narrows to 200 cm at its end.

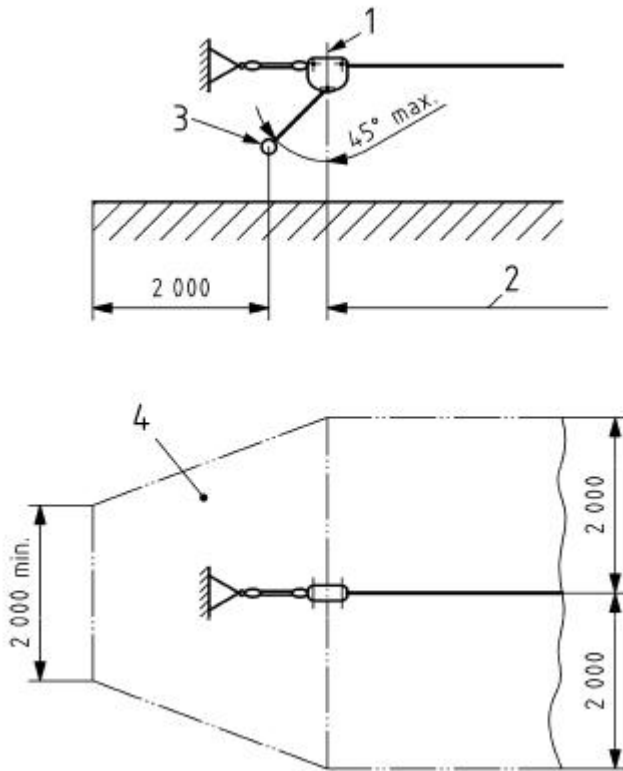


Figure 4. Extent of cable-way's impact area (Source SFS-EN1176).

- 1 end of travel
- 2 area of travel
- 3 maximum seat or grip position
- 4 impact area

- For carousels
 - 200 cm from the products maximum diameter
 - A hanging type carousel requires an additional 100 cm of obstacle free area.
- For rocking equipment
 - 100 cm from the equipment's extreme position
- For products without an Impact Area
 - Products which have a Falling Height of less than 60 cm and which cause no Forced movement in the user need have no impact area.

The Falling Height determines the minimum quality of the Impact Area. Falling Height is measured as follows:

- From the highest platform to the ground.
- In climbing equipment, from the highest grip position.
 - In case there is no access to the highest grip, Falling Height is measured from 100 cm below it or from the highest foot support.
- From the seat if falling to the ground can occur.
- From the middle of a swing chain.
- Carousel and cableways always have 100 cm Fall Height or more, according to the real Falling Height.
- From the highest point of a spatial net's side rope OR from the rope which extends over the bottom opening if this opening is more than Ø65 cm.



Figure 5. Examples of determining free height of fall (Source SFS-EN1176).

Critical Falling Height (marked CFH) is dependant on the surface, which dictates the products greatest Falling Height.

- Hard surfaces such as stone, asphalt or concrete; CFH = 0 cm:
 - Products without safety area.
 - Lappset recommends not using hard surfaces under any playground equipment.
- Timber or such with very limited impact attenuation; CFH = 60 cm:
 - Products with a Falling Height of less than 60 cm, including those with forced movement.
- Turf, unsorted sand and the like; CFH = 100 cm
 - Products with Falling Height of less than 100 cm, including slides, rocking equipment, carousels (not hanging type) and cableways.
- Safety slabs:
 - CFH depends on slabs thickness (marked S). Slabs with the same thickness can however have a different CFH. CFH varies roughly as follows:
 - S = 4 cm => CFH = 120...130 cm
 - S = 5 cm => CFH = 150...170 cm
 - S = 6 cm => CFH = 180...200 cm
 - S = 7 cm => CFH = 210...250 cm
- Loose fill materials, such as safety sand or gravel, wood chips or bark.
 - 30 cm layer => CFH = 200 cm
 - 40 cm layer => CFH = 300 cm

Locating equipment

- Impact area, which is for an equipment or part of an equipment with forced movement MAY NOT overlap with any other impact area.
- Impact area, which is for an equipment or part of an equipment with no forced movement MAY overlap with another similar impact area.

Signs and markings

Playgrounds should have a sign with the following information:

- general emergency telephone number
- telephone number to contact maintenance personnel
- name and address of the playground.

Product labeling

- Labels should be fastened to correct products!

Basic level mark

- There should be at least one basic level mark in the product, which allows checking correct installation height.

Safety requirements: Playground equipment

Structural integrity

- Is there rust or rot?
- Does the product sway excessively?
- When moving the structure, does any suspicious noise indicate possible hidden structural weaknesses?

Fasteners and caps

- Are screws and brackets tightened correctly? In particular check structures that are under heavy movement.
- Are any caps or hats missing?

Sharp edges and protruding objects should be protected.

- Edges that are accessible during normal use shall be rounded with at least a 3 mm radius. No parts may be sharp enough to cut.
- If the head of the fastener or thread bar is not protected by other means, it may not protrude more than 8 mm from the surface.

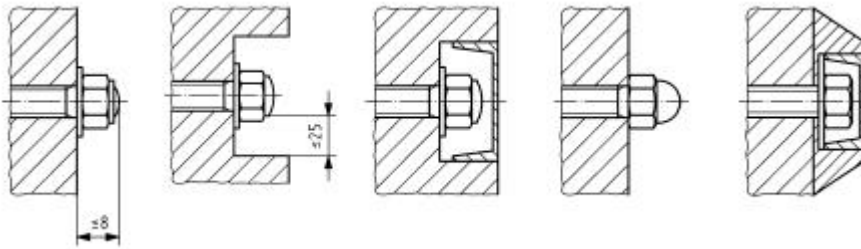


Figure 6. Examples of protecting protruding objects (Source SFS-EN1176).

Platform is easily accessible if

- it can be accessed by stairs or ramp from the ground or from another easily accessible platform.
- it can be accessed by ladders with the lowest rung less than 40 cm from the ground or from another easily accessible platform.
- it is tiered less than 60 cm from the ground or from an adjacent easily accessible platform.

Falling protection

- Easily accessible platform
 - At a height of less than 60 cm, no guardrail or barrier is required.
 - At a height of more than 60 cm, a barrier is required.
- Non easily accessible platform
 - At a height of less than 100 cm, no guardrail or barrier is required.
 - At a height 100 - 200 cm, a guardrail is required.
 - At a height of more than 200 cm, a barrier is required.

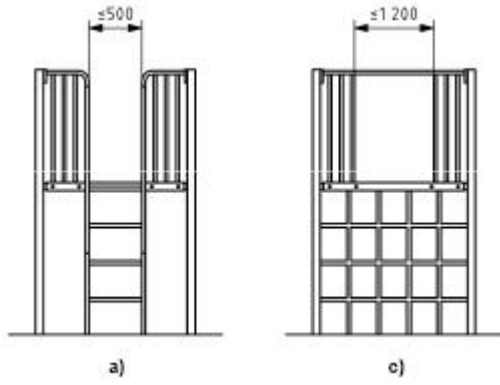


Figure 7. Openings leading to steep play element (Source SFS-EN1176).

Requirements for guardrail and barrier

- Top of the guardrail shall be at a height between 60 – 85 cm.
- Barrier shall be at least 70 cm high.
 - There shall be no elements that can be used to climb.

Entrapments

- Apparatus:

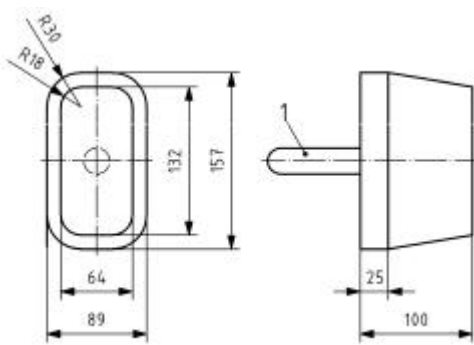


Figure 8. Probe C (small body): 89x157 mm (Source SFS-EN1176).

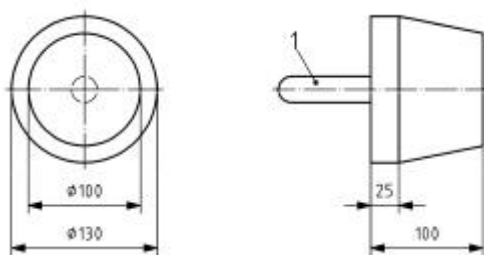


Figure 9. Probe E (small head): Ø130 mm (Source SFS-EN1176) .

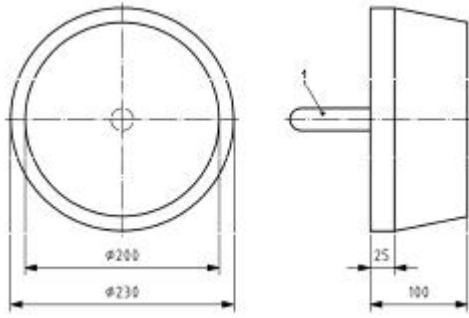


Figure 10. Probe D (large head): Ø230 mm (Source SFS-EN1176).

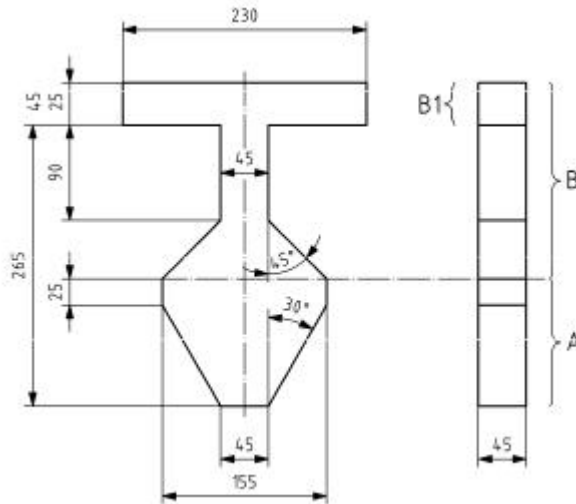


Figure 11. Neck: 45x45 mm / 45 mm + 60° (Source SFS-EN1176).

- A "A" portion of probe
- B "B" portion of probe
- B1 shoulder section

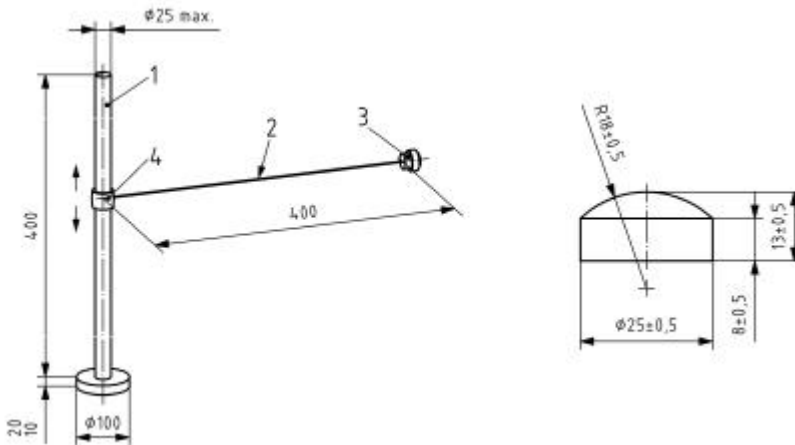


Figure 12. Clothing: 40 cm bar + 40 cm chain + Ø25 mm toggle (Source SFS-EN1176).

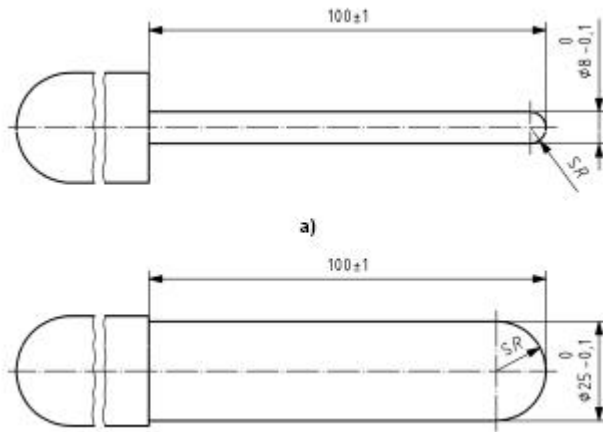


Figure 13. Small finger rod: Ø8; Big finger rod: Ø25 (Source SFS-EN1176).

- The body fits through an opening that has a diameter of at least Ø40 cm. However openings greater than Ø23 cm are also allowed.
- Head entrapment
 - If test probe C or E fits through the opening, probe D must also pass through.
 - If the opening is partially flexible and the gauge almost passes through, apply a force comparable to a mass of 22 kg.
 - Test is not applicable to openings with a lower edge of height less than 60 cm nor to triangular openings in swing seat suspensions.
- Neck entrapment. Test procedure is relatively complex. This is a simplified presentation.
 - Openings that are partially bound, V-shaped and open upwards shall
 - be smaller than 45x45 mm (test gauge portion B), or
 - have bottom wider than 45 mm and boundaries with greater angle than 60° (test gauge portion A)
- Foot entrapment on the surface
 - Openings shall not be wider than 30 mm measured across the main direction of travel.
- Finger entrapment
 - If the small finger rod passes through the opening to a depth, which restricts movement to less than 45° from adjacent surface, the big finger rod shall also pass the opening.
 - Test is not applicable to openings below 100 cm in height.
 - Any chain openings greater than Ø8,6 mm are forbidden except at connections where openings greater than Ø12 mm are allowed.
- Entrapment of clothing or hair
 - Slides
 - Place the equipment 20 cm from sliding sections starting point and 20 cm from slides side. Slide the chain along the full length of the pole searching for possible entrapments with toggle. Don't wrap the chain around corners, pipes etc. If the toggle gets caught, pull the chain with a force comparable to a mass of 5 kg in the sliding direction.
 - Fireman's pole
 - Place the equipment at the edge of the platform in the middle of egress opening and search for possible entrapments.
 - Detach the chain from the pole. Keep one end of the chain in contact with the pole. Starting from a height of 180 cm above starting platform (or from top of the pole), search for possible entrapments.
- Apex of the roof
 - Detach the chain from the pole. Search for possible entrapments from the apex and the surface of the roof while pulling the chain in the direction of the slope.

- Toggle test shall not be used elsewhere. If some local rule expands clothing entrapments elsewhere, this test shall not be used. This test is designed to be especially sensitive to fit play elements with great forced movement.

Squeezing

- Body clearance for openings where squeezing is likely shall be at least 23 cm.
- Foot clearance for openings where squeezing is likely shall be at least 6 cm.
- Finger clearance for openings where squeezing is likely shall be at least Ø12 mm.

Ropes

- Ropes fixed at one end:
 - Diameter of the rope shall be between 25 - 45 mm
 - Swinging ropes shall not be placed in the same bay as swings
 - Between 1 - 2 m long
 - Safety distance to post 60 cm
 - Safety distance to another rope 90 cm
 - Between 2 - 4 m long
 - Safety distance to post or rope 1,0 m
- Rope fixed at both ends shall not allow a loop greater than Ø130 mm.

Foundations

- Product shall keep its place so there is no risk of moving and falling.
- Depth
 - Sharp parts shall be at depth of more than 40 cm or at least underneath a loose safety material layer.
 - Smooth and well rounded are allowed at depth of more than 20 cm.

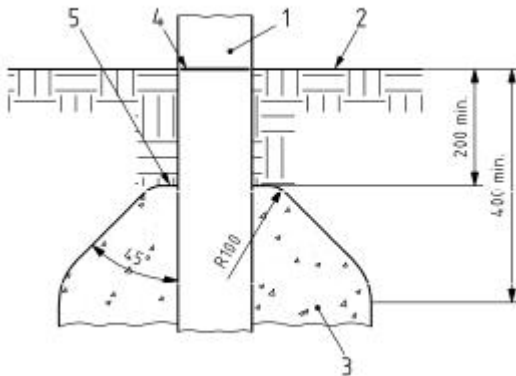


Figure 14. Foundations (Source SFS-EN1176).

- 1 post
- 2 Playing surface
- 3 foundation
- 4 basic level mark
- 5 top of foundation

Heavy suspended beams

- R50 mm rounding at ends
- Maximum range of motion 20 cm
- Minimum distance to standing construction 23 cm

Safety requirements: Swings

Ground clearance

- Tyre, group and cradle seats min 40 cm
- Normal seat min 35 cm

Safety distances

- From post to the edge of the seat $0,2 * \text{chain length} + 20 \text{ cm}$
- Between seats $0,2 * \text{chain length} + 30 \text{ cm}$

Lateral stability is sufficient when the distance between the fastenings on the beam are $0,05 * \text{chain length}$ wider than the fastenings on the seat.

Seats front edge must attenuate impact. The extent of this property cannot be tested on the field but for example a wooden seat would not be allowed.

A cradle seat is allowed in the same bay as other seats.

If the seat has a back rest, its angle to the seat may not vary during use.

Swing bearings must allow chain rotation.

Safety requirements: Slides

Width shall be less than 70 cm or more than 95 cm.

- Each section of multi-track slide, helical slide and curved slide shall have width less than 70 cm.

Requirements for free standing slides only

- Straight raise of stairs may be max 2,5 m.
- When slides starting height is more than 200 cm, the starting sections guarding shall fulfill barrier requirements.

Attachment slides

- There shall be a crossbar over starting section at height 60 – 90 cm when starting height is more than 100 cm.
- If starting section is outside the platform, there shall be lateral guarding with height more than 50 cm at some point within the section.

Sections of the slide

- Starting section (marked A)
 - Starting section ends at the point where the slide first inclines more than 5° in the sliding direction.
 - Starting section shall be at least 35 cm long.
- Sliding section (marked B)
 - Average inclination may be max 40°
 - Greatest inclination at one point may be 60°
- Run-out section (marked C)
 - Starting point is determined by placing a straight level marker on run-out section. Move the marker upwards until it has :
 - 10° angle to horizontal in type 1 slides.
 - 5° angle to horizontal in type 2 slides.
 - Length of the run-out section
 - $B < 150 \text{ cm} \Rightarrow C > 30 \text{ cm min.}$
 - Type 1 slides:
 - $B = 150 \dots 750 \text{ cm} \Rightarrow C > 50 \text{ cm}$
 - $B > 750 \text{ cm} \Rightarrow C > 150 \text{ cm}$
 - Type 2 slides:
 - $B > 150 \text{ cm} \Rightarrow C > 0,3 \times B$

Assessing slides requirements can be challenging. Most of the confusion comes in identifying different slide types. Type one has longer run-out section and short Impact Area in front of the exit point. Respectively type 2 has a long run-out section and short Impact Area.

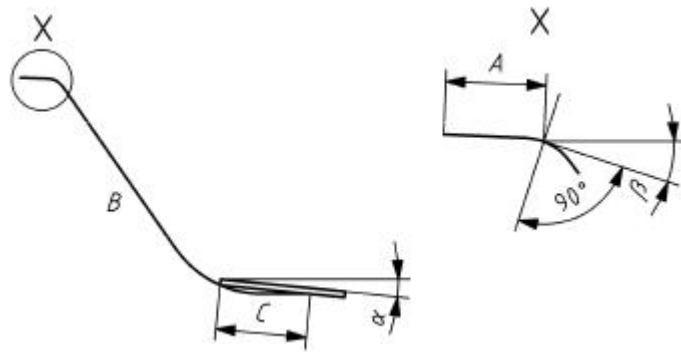


Figure 15. Sections of the slide (Source SFS-EN1176).

- A starting section measured along the surface of the slide
- B sliding section measured along the surface of the slide
- C run-out section measured along the surface of the slide
- α maximum declination of the run-out section
- β maximum declination of the starting section

Lateral protection height (marked LP) depends on the height and accessibility of the slides starting point (marked SH).

- Always when SH < 120 cm => LP > 10 cm
- Always when SH = 120 ... 200 cm => LP > 15 cm
- When easily accessible and SH = 200 ... 250 cm => LP > 50 cm
- When not easily accessible and SH = 200 ... 250 cm => LP > 15 cm
- Always when SH > 250 cm => LP > 50 cm

Maximum height of run-out section (marked RH) depends on length of sliding section (marked B).

- B < 150 cm => RH < 20 cm
- B > 150 cm => RH < 35 cm

Safety requirements: Cable-ways

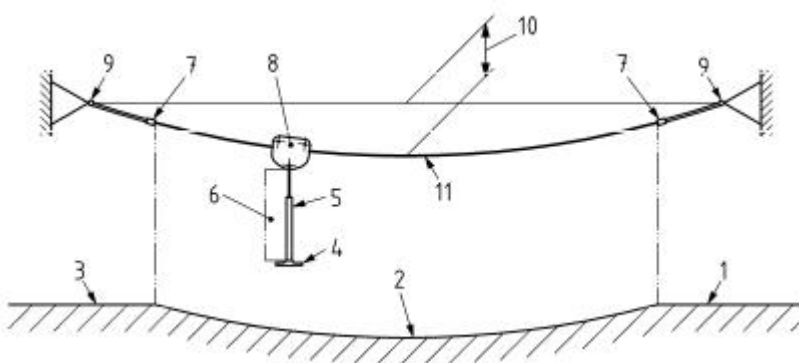


Figure 16. Cableway terms (Source SFS-EN1176).

- 1/3 starting point or terminus
- 2 area of travel
- 4 seat
- 5 grip
- 6 suspension element
- 7 stop
- 8 traveler
- 9 cable fixing points
- 10 sag
- 11 cable

There shall be a tightening mechanism for the cable.

Movement stops at a stopper, which shall have a damping mechanism preventing the suspension members inclination beyond 45°.

Traveler sheaves shall be covered to prevent finger squeezing accidents. Normal use should not allow traveler to cause damage to the cable.

Suspension assembly

- Cable height from seat shall be at least 210 cm.
 - 180 cm is allowed if traveler is fully enclosed.
- Cable may not be rigid.
- The seat (or grips) shall allow quick dismounting at all times.
- The seat shall be impact attenuating to the same standard as swing seats.

- Maximum speed of the seat assembly is 7 m/s. For measuring this, a 130 kg load is placed on the seat. The seat is pulled backwards to an angle of 30° before it is released. Maximum speed is measured.
 - As accurate measuring is very difficult, the speed can be estimated in the following way. One test person uses the equipment while other runs alongside. 7 m/s is close to maximum running speed for a normal adult. If runner can hold position alongside the traveler to the end, the speed is likely not too great.

Ground clearance

- For seating type cableways the ground clearance in the middle of travel shall be 40 cm when the seat has 130 kg load.
- For hanging type cable-ways the ground clearance shall be
 - 150 cm at starting point when measured unloaded.
 - 200 cm in the running position when measured with a 70 kg load.

The surface of the starting platform may be wood or even metal.

Safety requirements: Carousels

Rotating equipment with a diameter of more than 50 cm are considered carousels.

Carousels axis may not be inclined more than 5°.

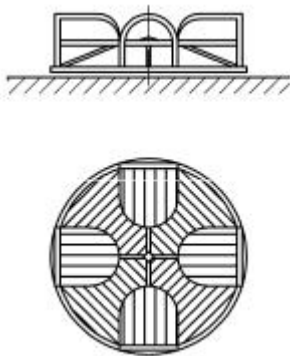


Figure 17. Traditional carousel (type B) (Source SFS-EN1176).

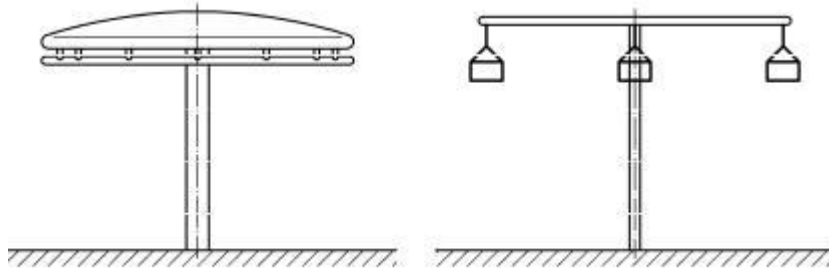


Figure 18. Hanging carousel (type C) (Source SFS-EN1176).

Classic carousel with rotating platform

- If the platform is flush with the ground,
 - vertical gap may be max 8 mm.
 - vertical displacement shall be max 20 mm.
- When the platform is not flush with the ground minimum ground clearance is 6 cm.
 - When ground clearance is between 6 - 11 cm, the underside of the platform shall be smooth for an extent of 30 cm measured from the edge towards the central axis.
 - When ground clearance is between 11 - 40 cm, the platform shall be equipped with a skirt or the underside of the platform shall be smooth and the ground clearance shall decrease from the outer perimeter towards the middle.
 - If a skirt is used, it shall have 6 - 11 cm ground clearance and it shall lean inwards with an angle of 30 - 45° from vertical.
 - When ground clearance is more than 40 cm, the underside of the platform shall be smooth and the ground clearance shall decrease from the outer perimeter towards the middle.

Hanging type carousels

- Ground clearance shall be at least 180 cm when hand supports are rigid and discontinuous.
- Hand supports shall allow grip. This means that a cross cut sections every dimension shall be between 16 - 45 mm.



Figure 19. Grip (Source SFS-EN-1176).

Safety standard EN1176-5 also has safety requirements for rotating chair carousels, track driven carousels and giant revolving discs. Because of relative rarity of these carousel types those are excluded from this document.

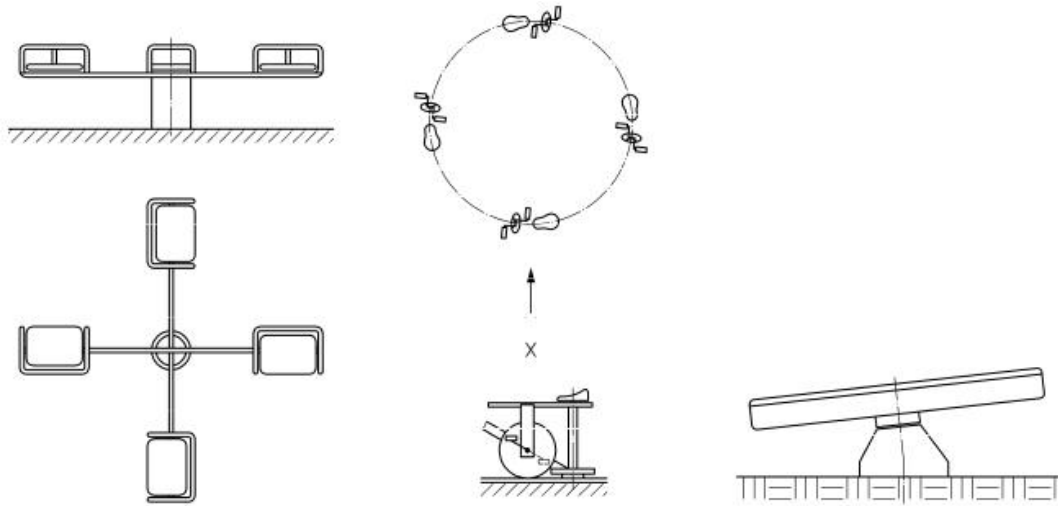


Figure 20. Other types of carousel (Source SFS-EN1176).

Safety requirements: Rocking equipment

Rocking equipment is divided into 6 types.

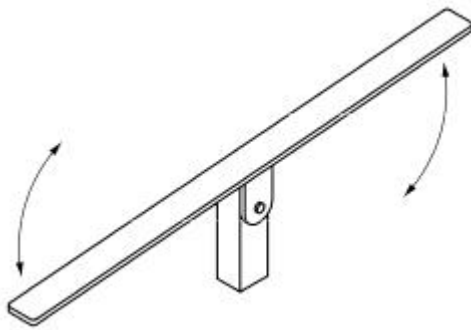


Figure 21. Traditional seesaw (type 1) (Source SFS-EN1176).

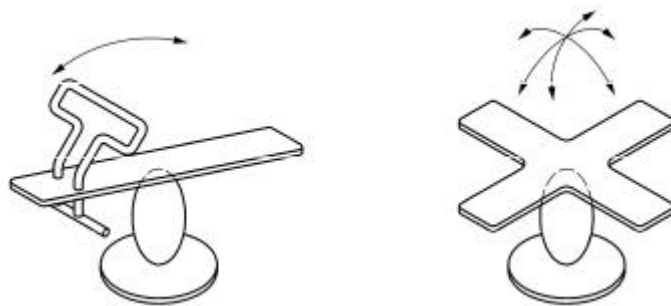


Figure 22. Single point rocking equipment (type 2A and 2B) (Source SFS-EN1176).

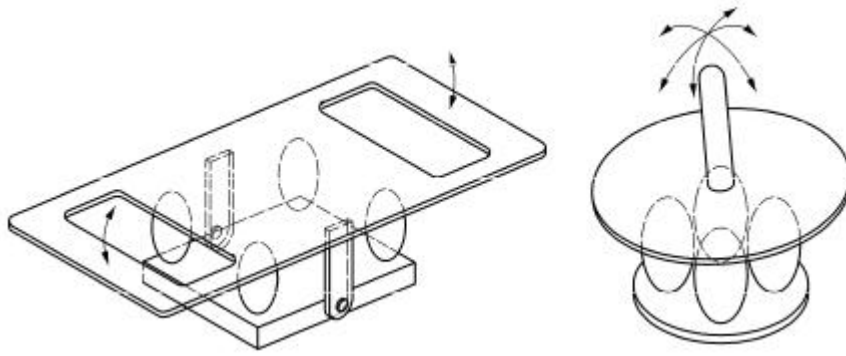


Figure 23. Multi-point rocking equipment (type 3A and 3B) (Source SFS-EN1176).

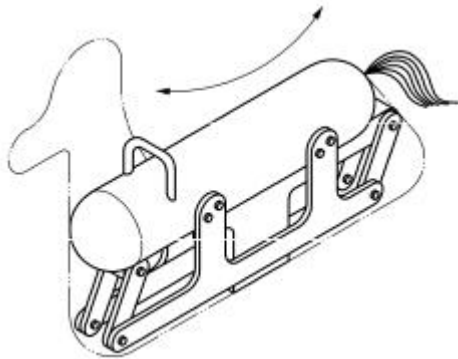


Figure 24. Rocking seesaw (type 4) (Source SFS-EN1176).

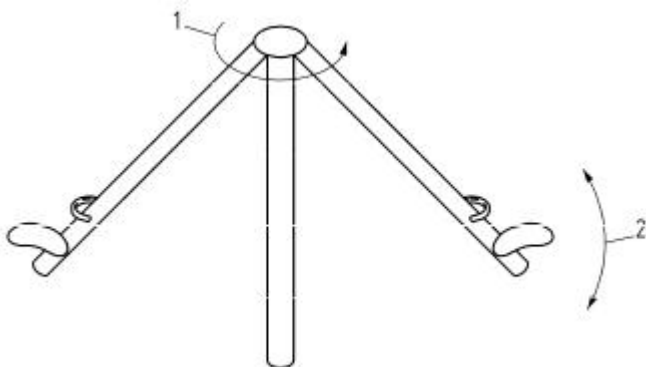


Figure 25. Sweeping seesaw supported above the user station (type 5) (Source SFS-EN1176).

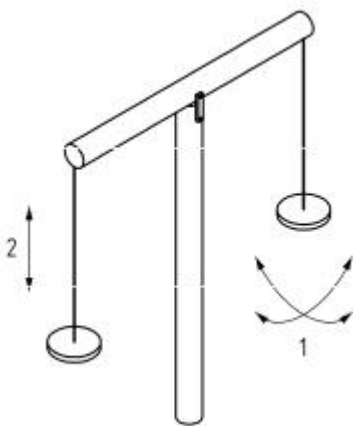


Figure 26. Overhead axis seesaw (type 6) (Source SFS-EN1176).

Falling Height (marked H) is measured in the highest position from the middle of the seat.
 - Traditional seesaw (type 1): $H < 150$ cm

- Rocking equipment (type 2 and 3) and rocking seesaw (type 4): $H < 100$ cm
- Sweeping- and overhead single axis seesaws (type 5 and 6): $H < 200$ cm

When one side of the equipment is moved to its extreme position, supporting components may not form openings of less than $\varnothing 12$ mm.

Movement shall be damped.

Footrests are not mandatory.

Ends of footrests and hand supports shall be protected against eye- ball injuries. This is tested with a ring gauge. The gauge is placed over the projecting end. Any part of a footrest or hand support may not protrude beyond the gauge.

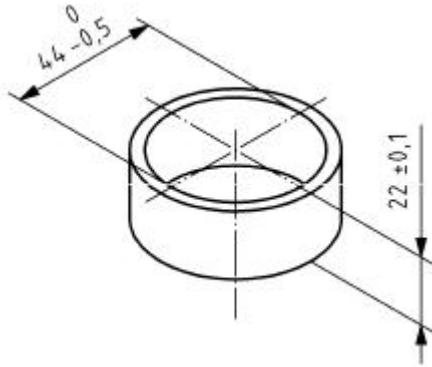


Figure 27. Ring gauge (Source SFS-EN1176).

Rocking equipments side view profile shall not have projections with a radius of less than 20 mm.

Lateral deviation is small enough when the seating position is pushed sideways with a force comparable to a mass of 70 kg and

- traditional seesaws deviation is less than 14 cm measured 200 cm away from the axis point.
- multi-point seesaws deviation is less than 17 cm measured 200 cm away from the imaginary central axis ($= 5^\circ$).
- Other types of rocking equipment do not have this requirement.

Rocking seesaws (type 4) total range of movement shall not exceed 60 cm.

Safety requirement: Net climbers

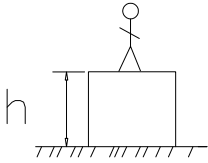



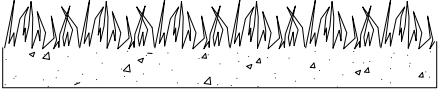
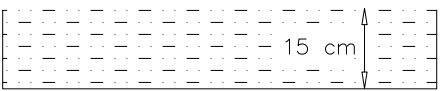
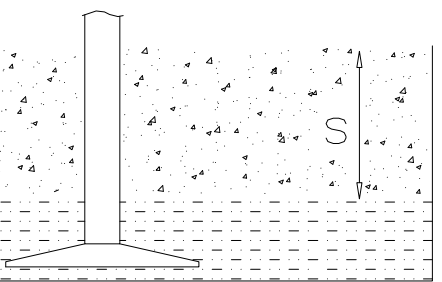
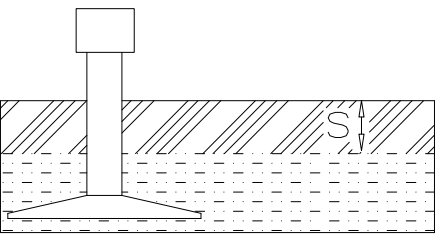
Protection against falling

- The network should be so dense that every cavity is smaller than $\varnothing 65 \times 180$ cm.
- If spatial network is formed from planar nets, and the dimension between nets is over 100 cm, the openings should be less than $\varnothing 420$ mm.
- If the requirements above are not fulfilled the structure underneath shall provide sufficient impact attenuation.

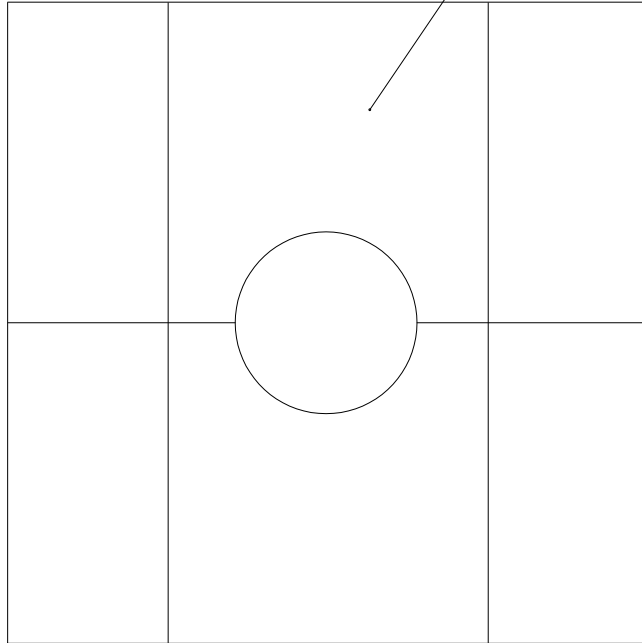
If the networks rigid supports are smooth and inclined, they are allowed even if the Falling Height is over 60 cm. The greatest allowed Falling Height (marked H_{incl}) depends on the supports angle.

- $30^\circ \Rightarrow H_{incl} = 70$ cm
- $45^\circ \Rightarrow H_{incl} = 85$ cm
- $60^\circ \Rightarrow H_{incl} = 120$ cm
- $70^\circ \Rightarrow H_{incl} = 175$ cm
- $80^\circ \Rightarrow H_{incl} = 300$ cm

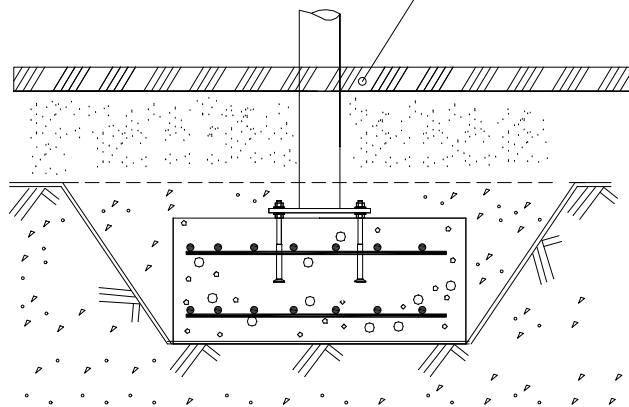
Downward leaning angles between ropes shall not be sharper than 20° .

												
<p>$h < 600$</p> <p>Without movement and therefore without Impact Area</p>	<p>Totally hard surfaces.</p> <p>Note. Lappset does <u>not recommend</u> totally hard surfaces at all.</p>	<p>E.g. concrete or asphalt</p> 										
<p>$h < 600$</p> <p>With movement e.g. rocking</p>	<p>Materials with very limited impact attenuating properties.</p>	<p>E.g. wood</p> 										
<p>$h < 1000$</p>	<p>Materials with significant impact attenuating properties.</p>	<p>fine gravel 0–8 mm</p>  <p>grass</p>  <p>unsorted sand</p> 										
<p>$h < 3000$</p>	<p>Loose fill material</p> <p>E.g. sand/gravel 0,25...8 mm D60/D10<3,0 Woodchips 5...30 mm bark 20...80 mm</p>	 <table data-bbox="1021 1691 1332 1792"> <tr> <td>\underline{S}</td> <td>\underline{h}</td> </tr> <tr> <td>30 cm</td> <td>< 2,0 m</td> </tr> <tr> <td>40 cm</td> <td>< 3,0 m</td> </tr> </table>	\underline{S}	\underline{h}	30 cm	< 2,0 m	40 cm	< 3,0 m				
\underline{S}	\underline{h}											
30 cm	< 2,0 m											
40 cm	< 3,0 m											
	<p>Syntethic granulates</p> <table data-bbox="406 1892 758 2060"> <tr> <td>\underline{S}</td> <td>\underline{h}</td> </tr> <tr> <td>40 mm</td> <td>~> 1,2...1,3 m</td> </tr> <tr> <td>50 mm</td> <td>~> 1,5...1,7 m</td> </tr> <tr> <td>60 mm</td> <td>~> 1,8...2,0 m</td> </tr> <tr> <td>70 mm</td> <td>~> 2,1...2,5 m</td> </tr> </table> <p>Note. For accurate values, see manufacturer's instructions.</p>	\underline{S}	\underline{h}	40 mm	~> 1,2...1,3 m	50 mm	~> 1,5...1,7 m	60 mm	~> 1,8...2,0 m	70 mm	~> 2,1...2,5 m	
\underline{S}	\underline{h}											
40 mm	~> 1,2...1,3 m											
50 mm	~> 1,5...1,7 m											
60 mm	~> 1,8...2,0 m											
70 mm	~> 2,1...2,5 m											

REMOVE SAFETY SURFACE/SAND/GRAVEL
TO CHECK FOUNDATION



REMOVE SAFETY SURFACE/SAND/GRAVEL
TO CHECK FOUNDATION

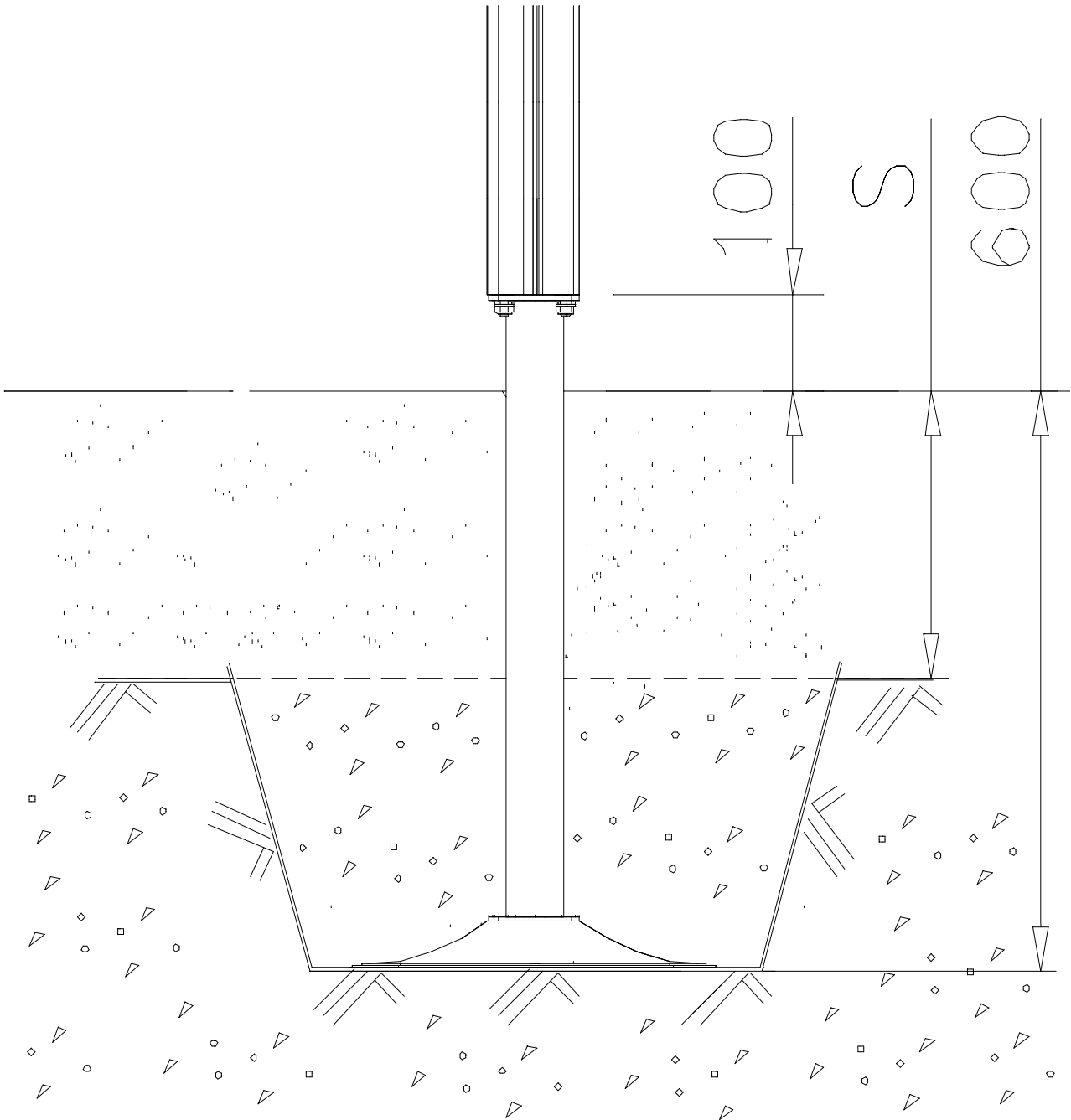
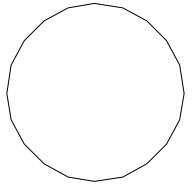


LAPPSET®
DEEP FOUNDATION

FOOT

DATE: 13.3.2014

4A

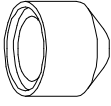


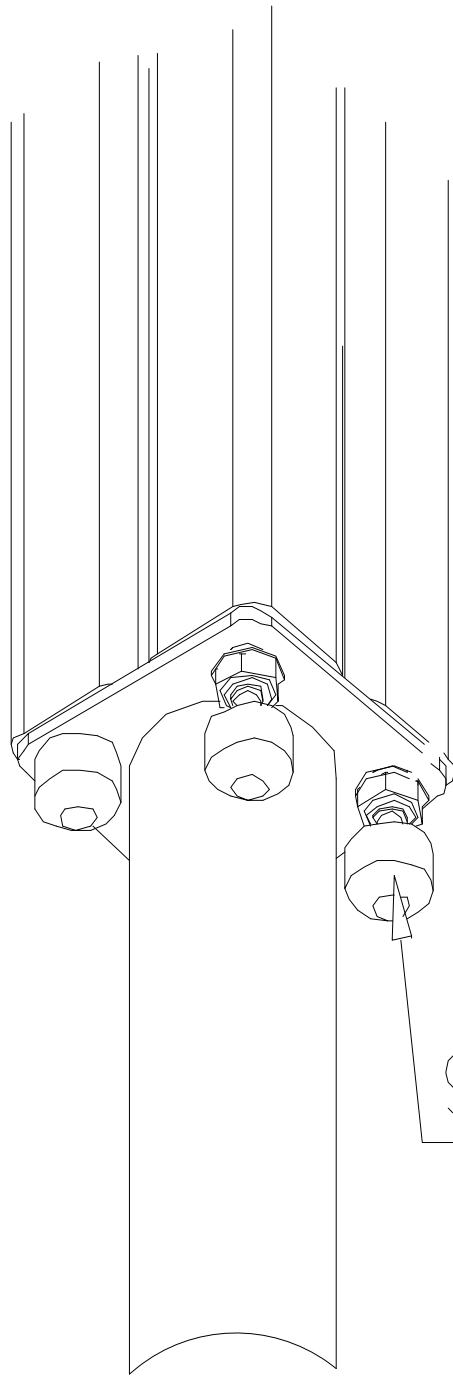
LAPPSET®
BETON FOUNDATION

FOOT

DATE: 27.10.2015

1(1)

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	4		
 M10	PCS		PCS



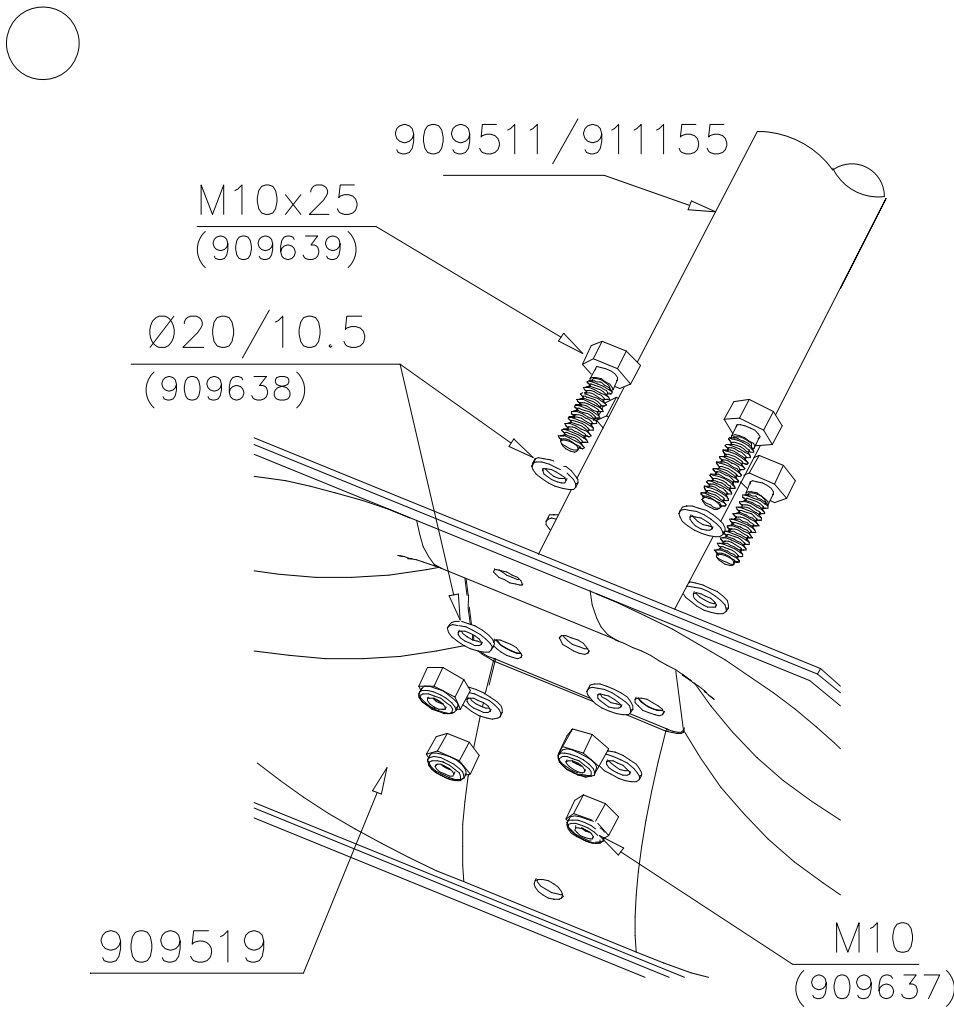
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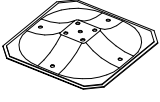
LAPPSET® DEEP FOUNDATION



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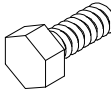
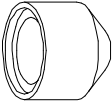
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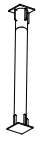


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		4			8
	M10			Ø20/10.5	

⑤	909639	PCS	⑥	905104	PCS
		4			4
	M10x25			M10	

OPTION FOOT

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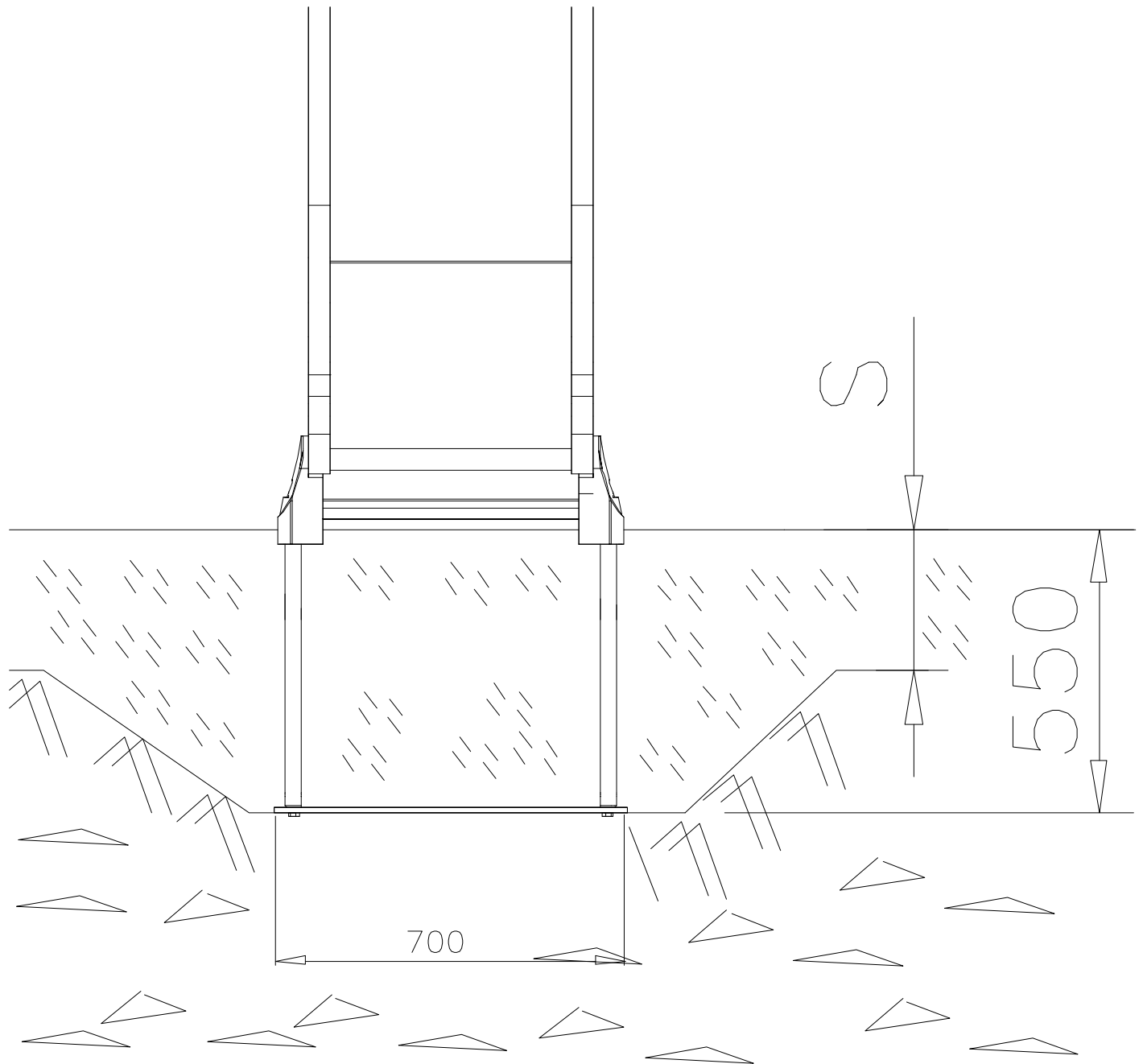
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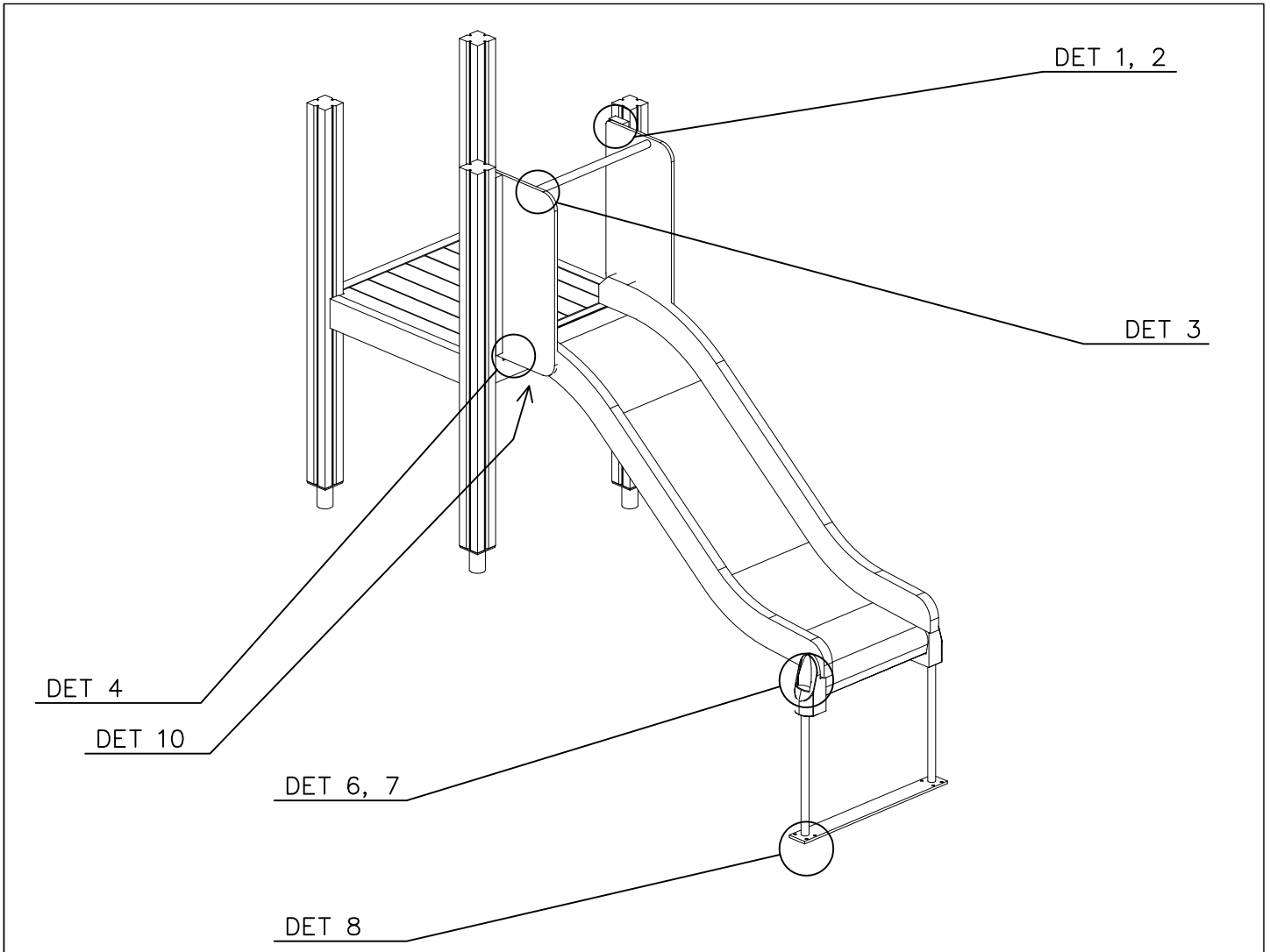
DEEP FOUNDATION

SLIDE WOOD

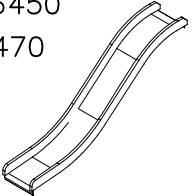
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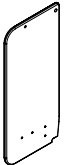




SLIDE OPTIONS

<p>706450 +1470</p> 	<p>706450-602 DARK BROWN 706450-603 LIGHT BROWN 706450-604 LIGHT GRAY</p>	
<p>706452 +870</p> 	<p>706452-602 DARK BROWN 706452-603 LIGHT BROWN 706452-604 LIGHT GRAY</p>	

WALL OPTIONS

<p>706371</p> 	<p>706371-701 BLUE 706371-702 YELLOW 706371-703 LIME 706371-704 DRARK GRAY 706371-705 LIGHT GRAY 706371-706 RED</p>	<p>706371-707 GREEN 706371-708 FUXIA</p>
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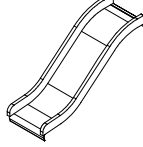


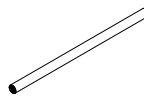
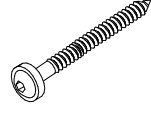
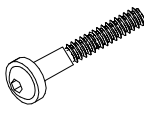
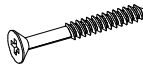


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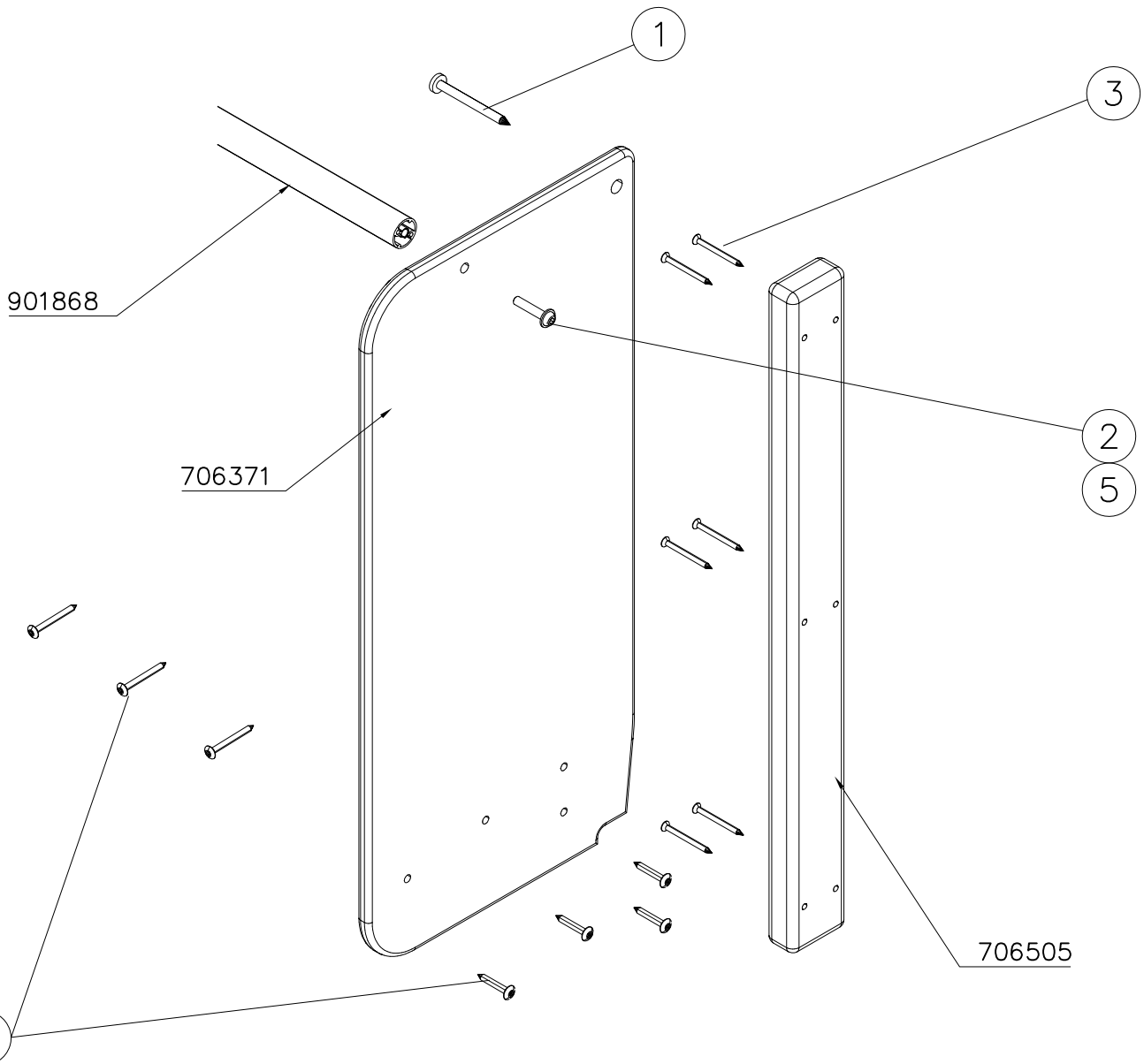
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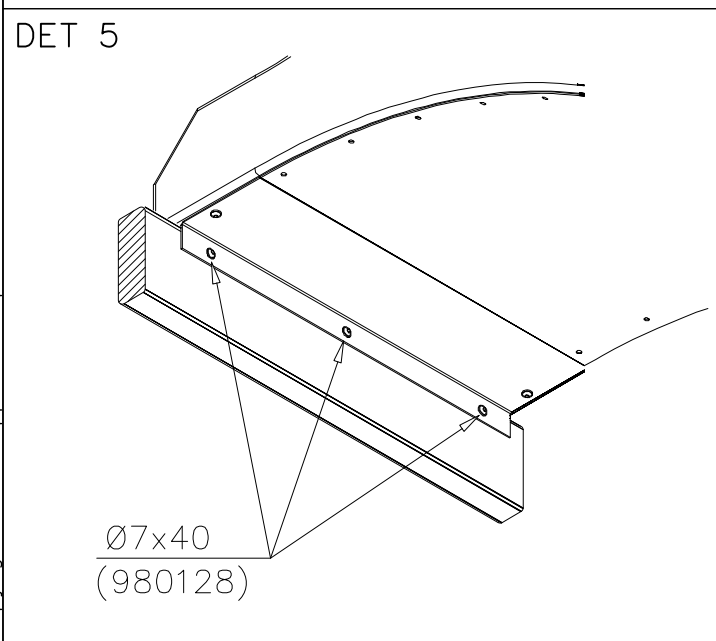
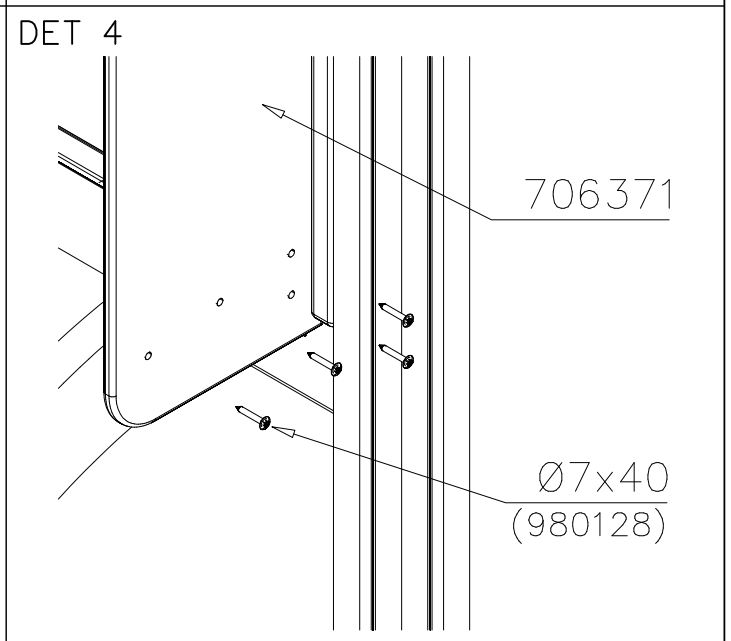
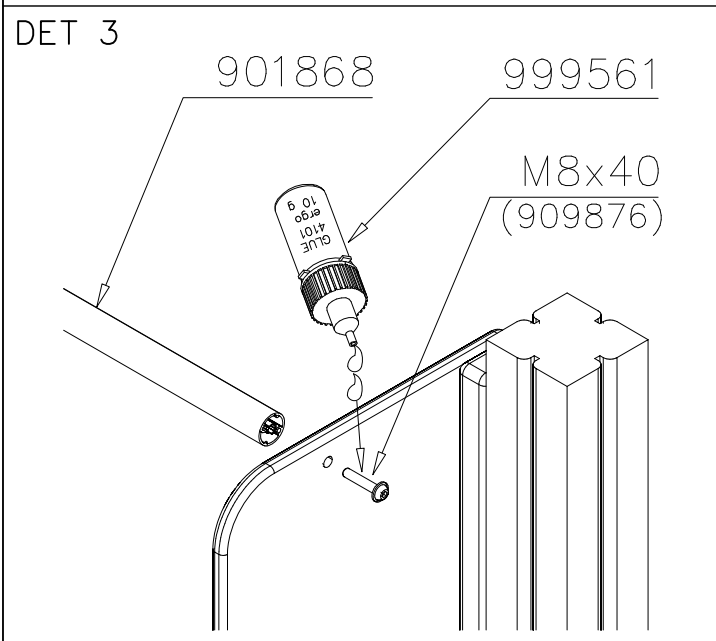
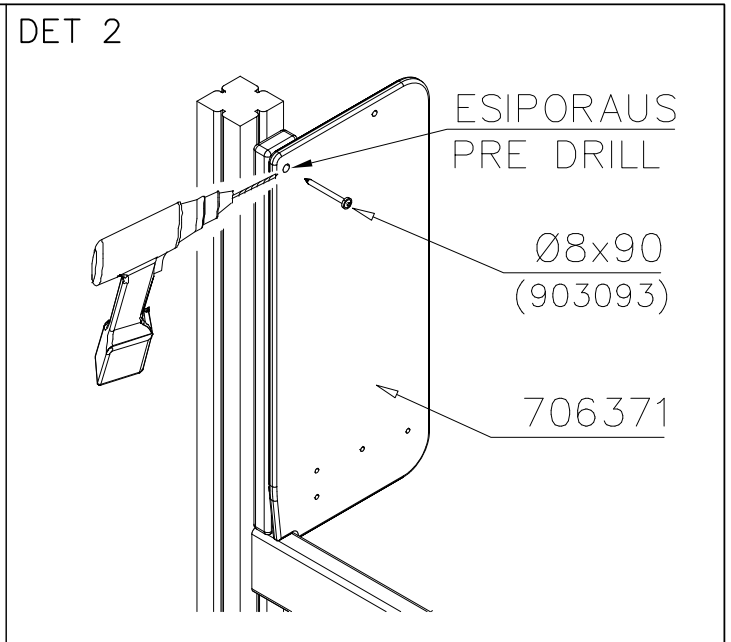
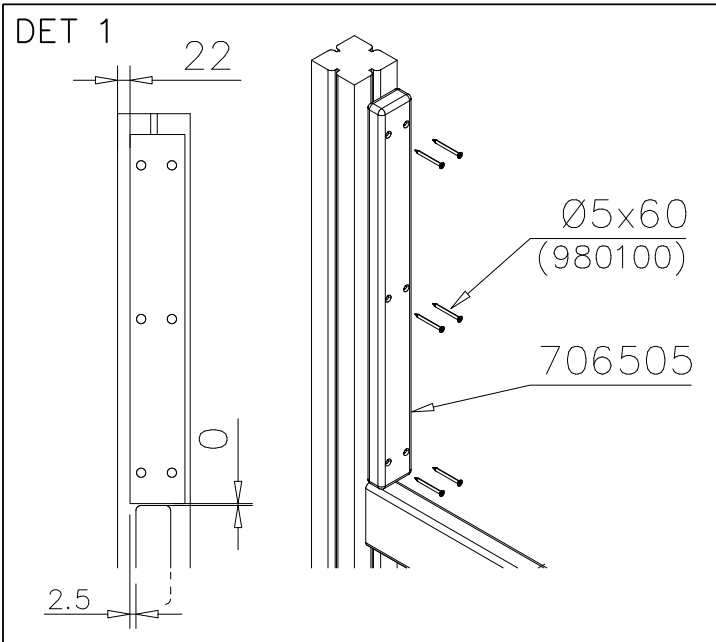
SLIDE WOOD

DATE: 3.11.2017

2(5)

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② 909876	PCS	③ 980100	PCS	④ 980128	PCS	⑤ 999561	PCS				
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M8x40		Ø5x60		Ø7x40		10g					





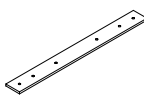
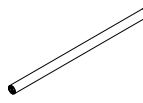


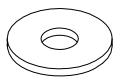
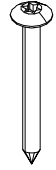
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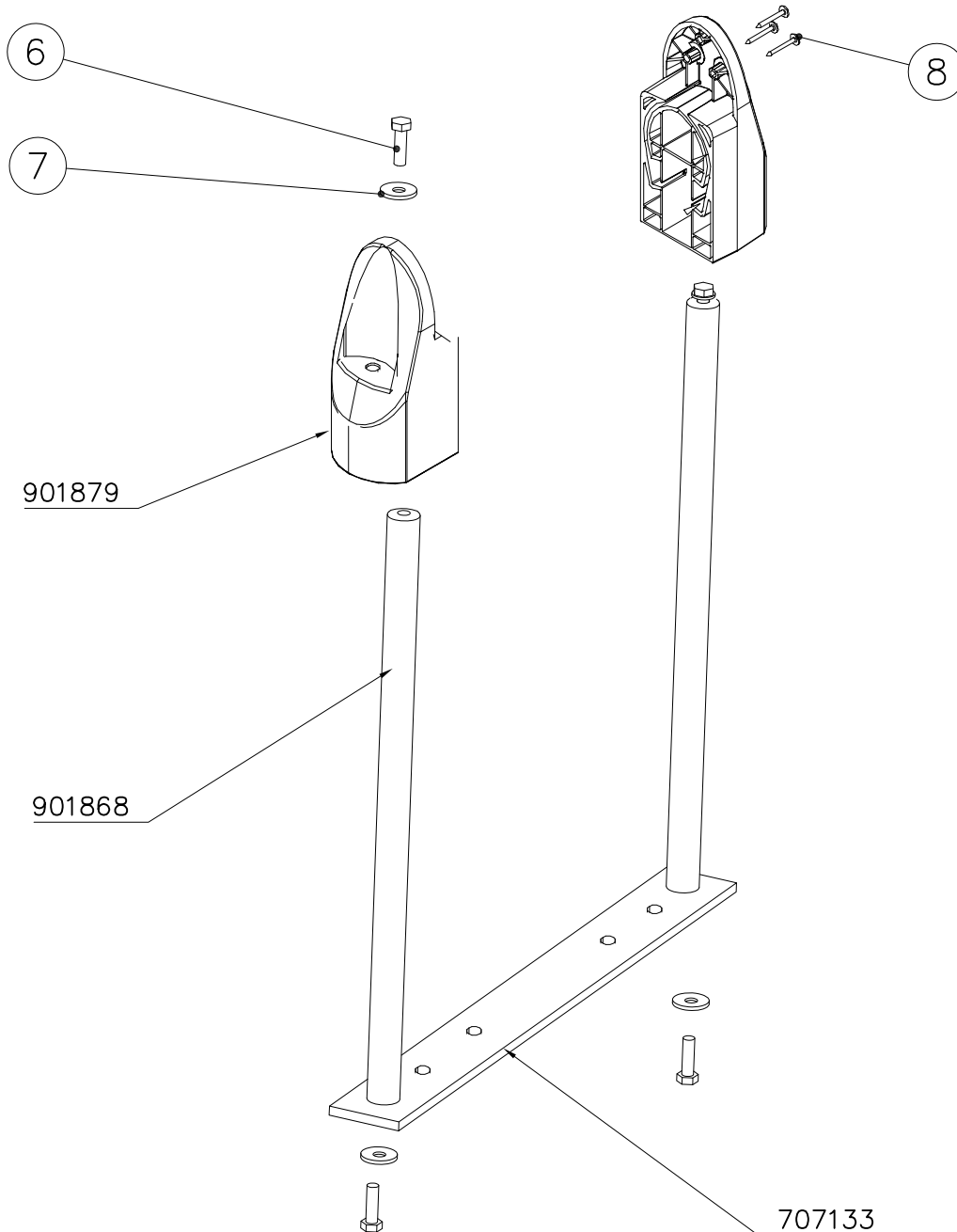
DEEP FOUNDATION

SLIDE WOOD

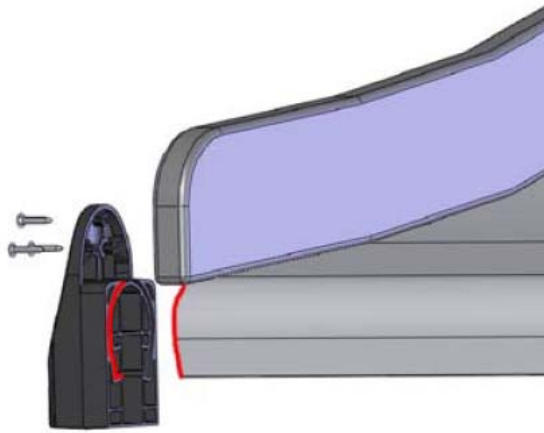
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4(5)

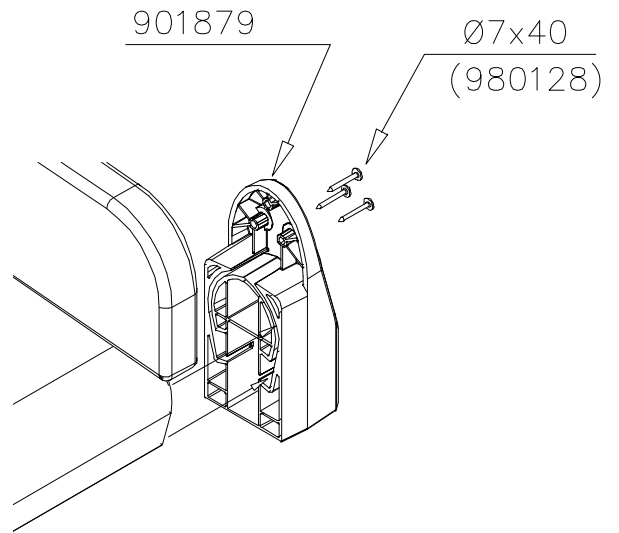
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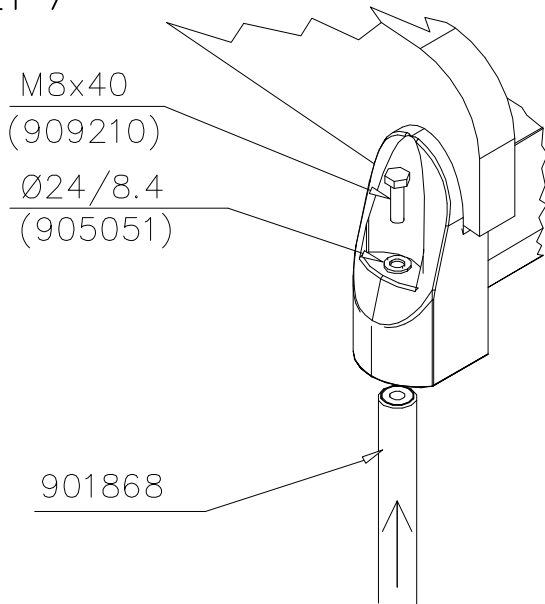
DET 6



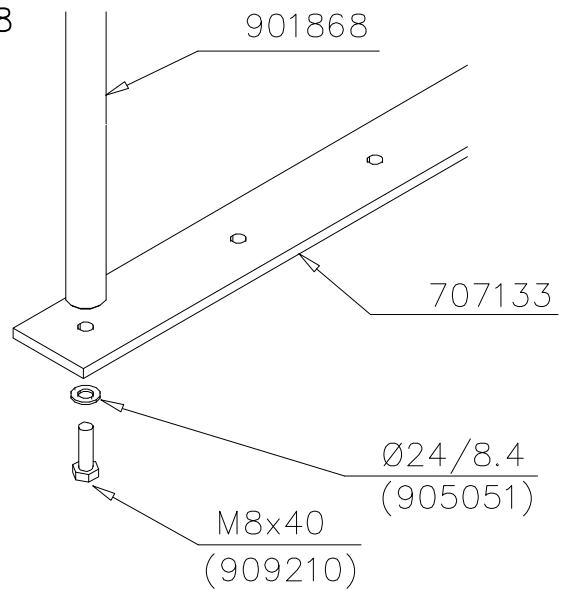
Insert sheet metal IN to the plastic cover.

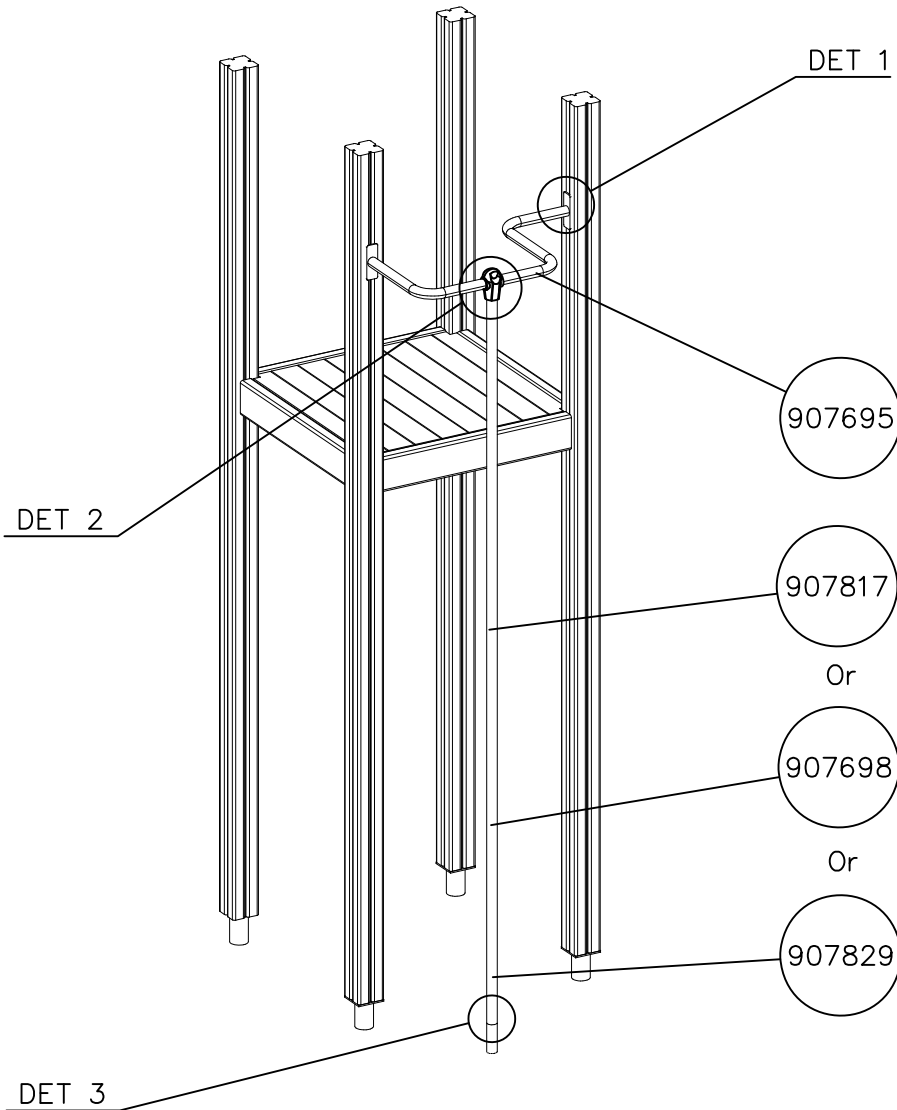


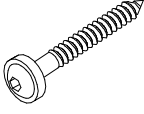
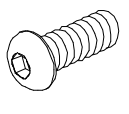


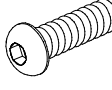

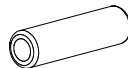




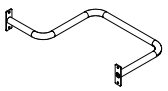
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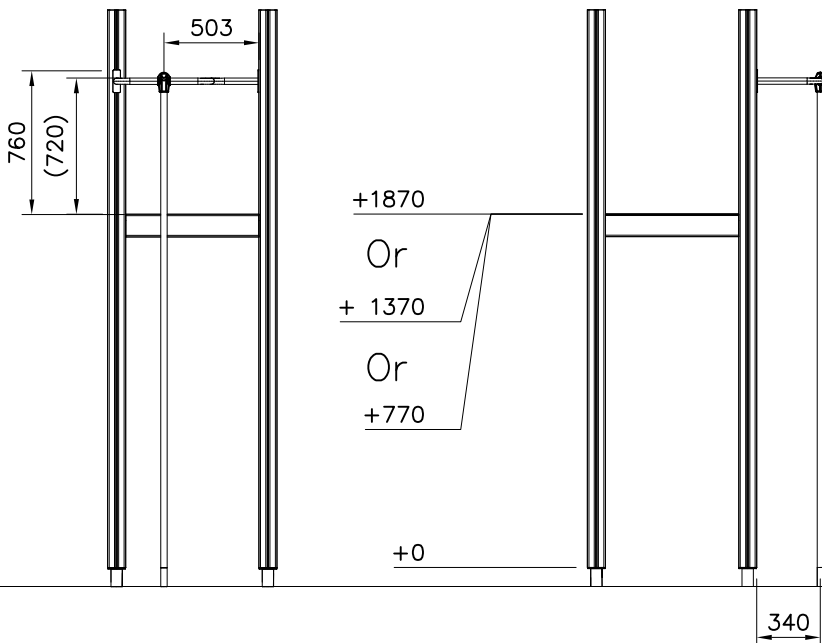


DET 8

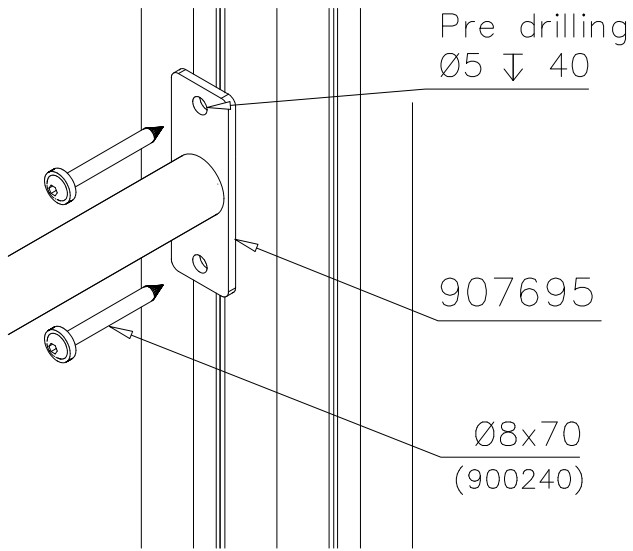




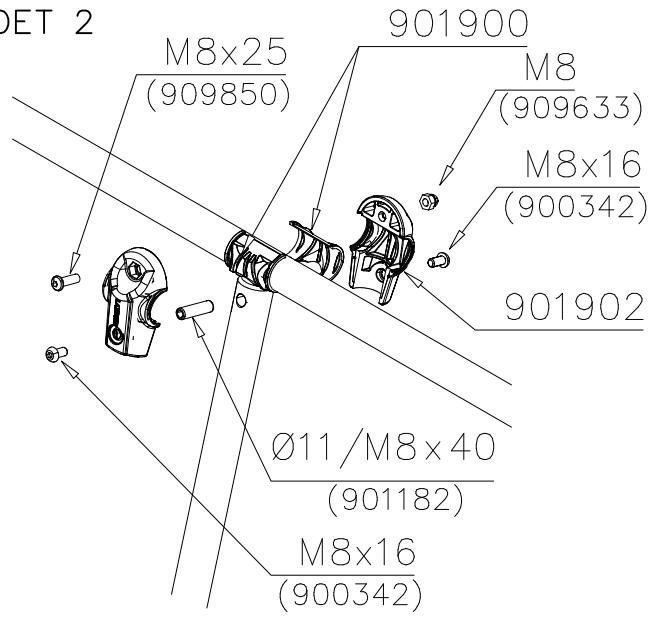
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③ 901900	PCS	④ 901939	PCS
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20.5x36.2x56		M12x70	
⑤ 909850	PCS	⑥ 980150	PCS
	1		1
M8x25		M8	
⑦ 901182	PCS	⑧ 901902	PCS
	1		2
Ø11/M8x40		30.7x60.9x100	
	PCS		PCS
	PCS		PCS
○ 907829	PCS	○ 907698	PCS
	1		1
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○ 907817	PCS	○ 907695	PCS
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Ø33,7x2554			



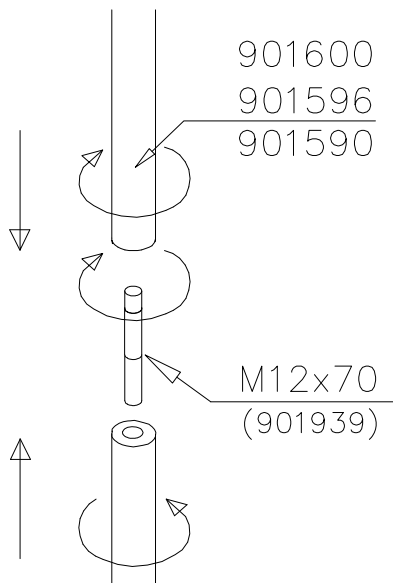
DET 1



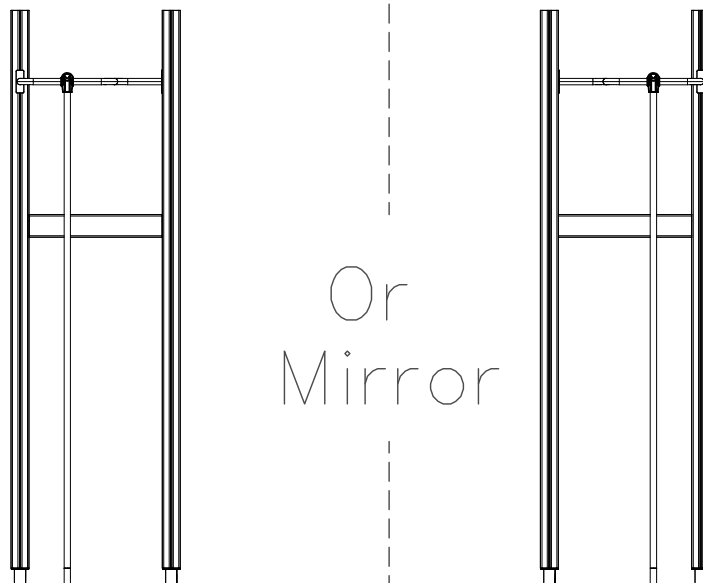
DET 2



DET 3



DET 4

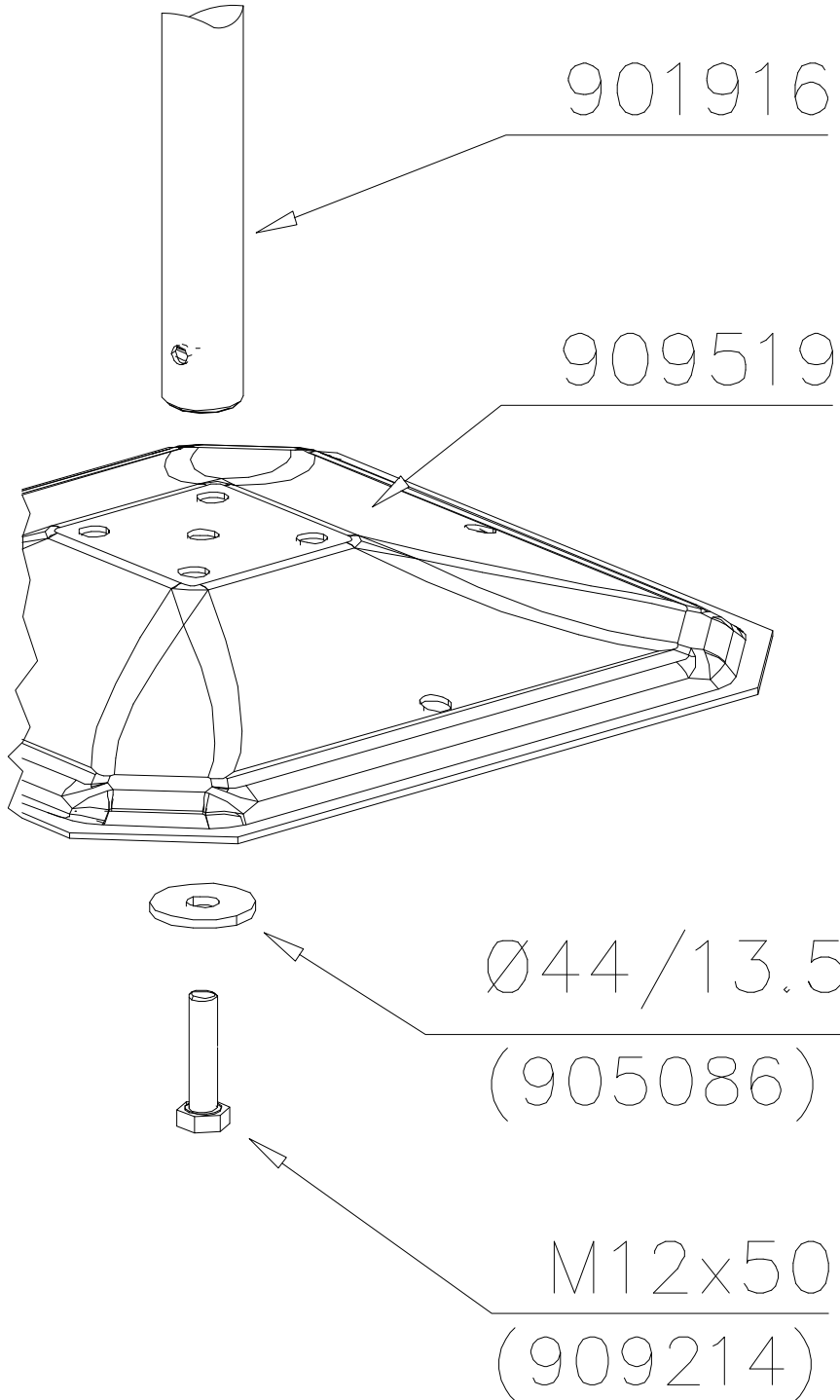
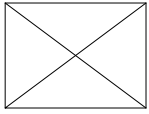


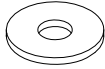
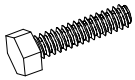
LAPPSET® DEEP FOUNDATION

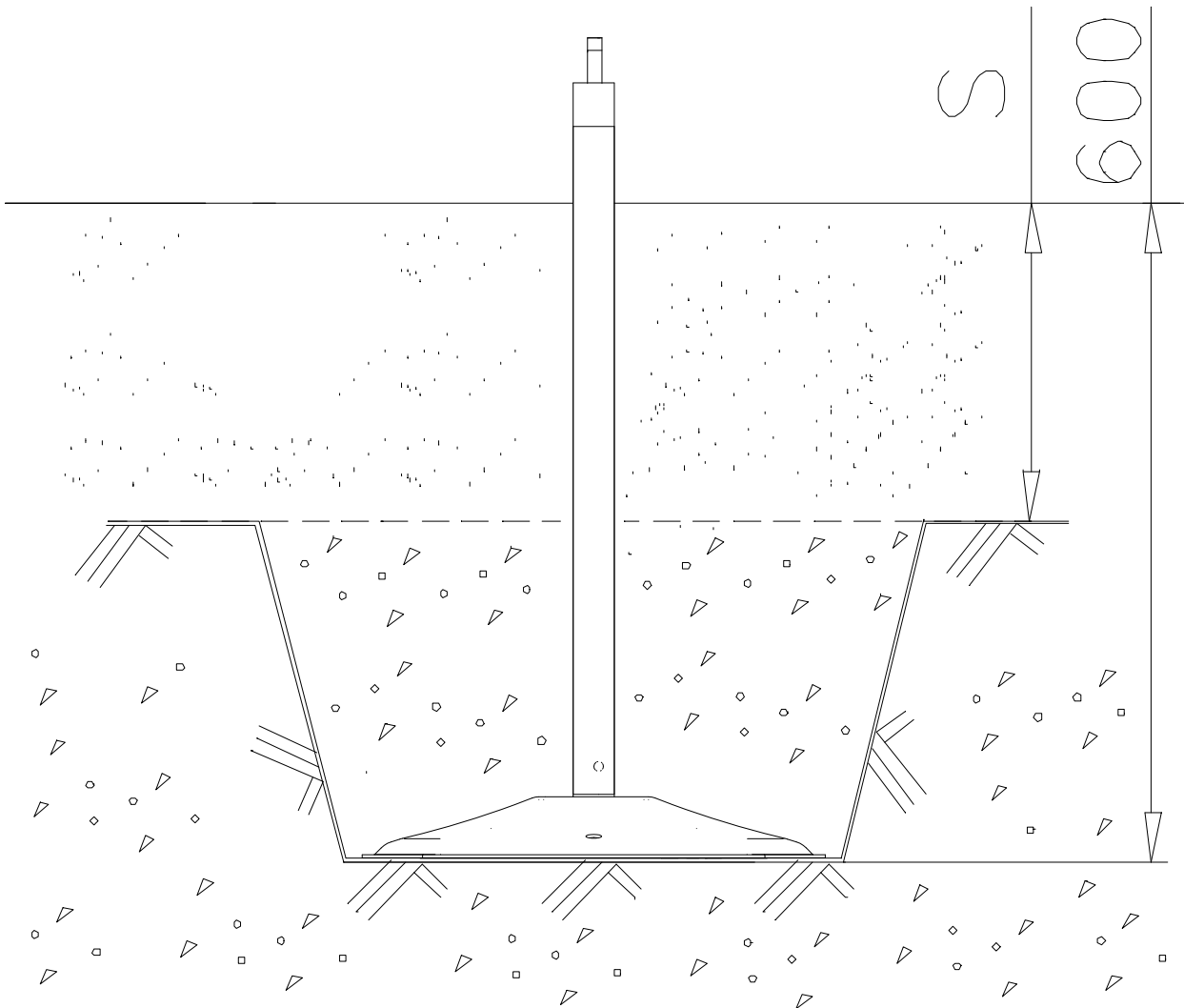
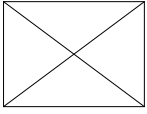
POLE

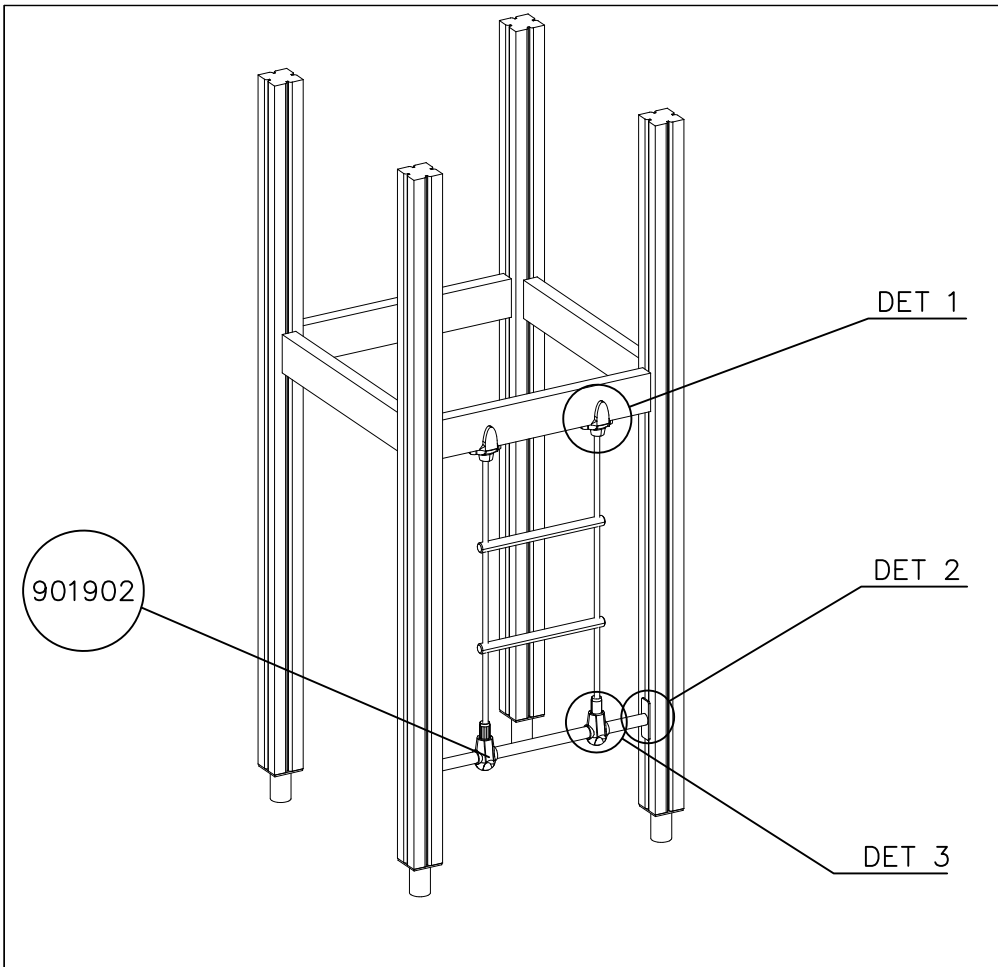
DATE: 15.5.2014



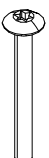
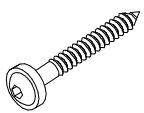
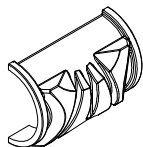

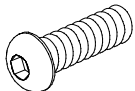
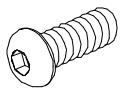
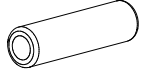
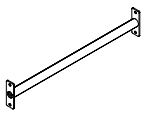
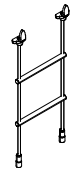
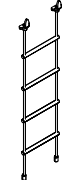
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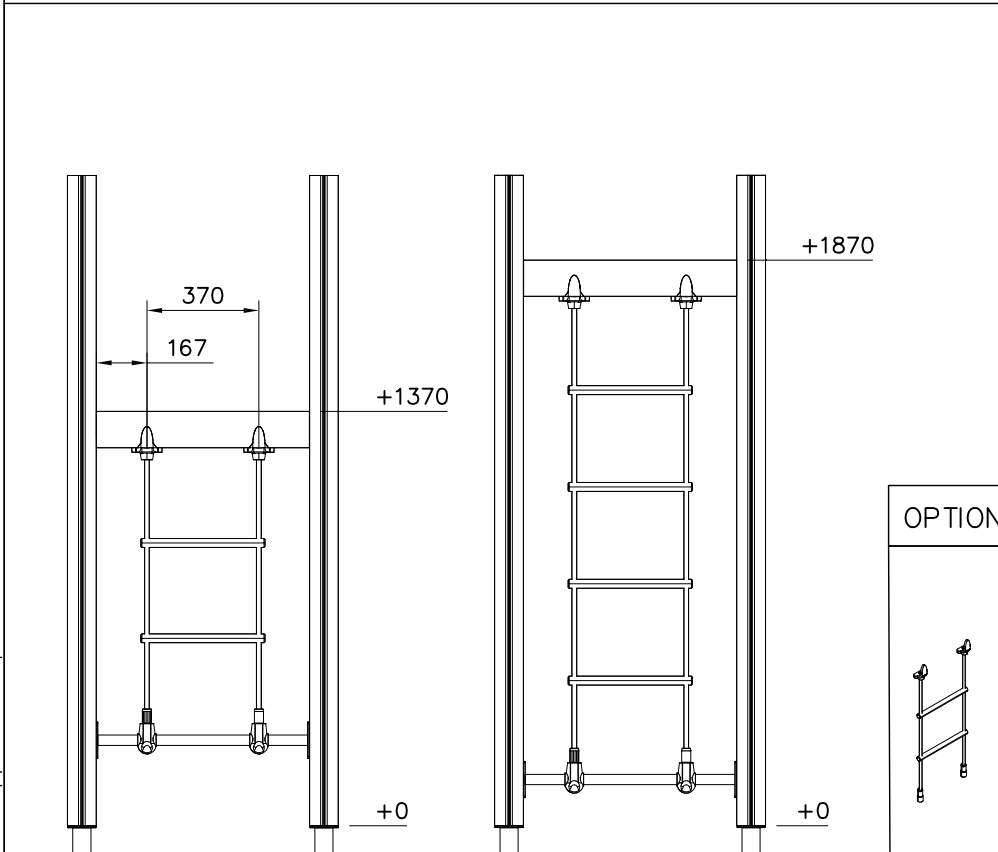


①	905086	PCS	②	909214	PCS
		1			1
	Ø44/13.5		M12x50		
		PCS			PCS
		PCS			PCS
		PCS			PCS
		PCS			PCS
		PCS			PCS
		PCS			PCS
		PCS			PCS

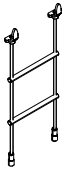
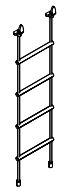




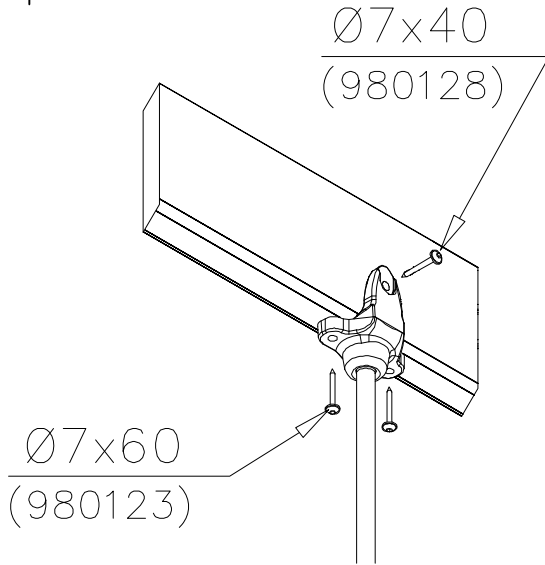
① 901902	PCS	② 980128	PCS
	4		2
30x61x100		Ø7x40	
③ 980123	PCS	④ 900240	PCS
	4		4
Ø7x60		Ø8x70	
⑤ 901900	PCS	⑥ 909633	PCS
	4		2
20.5x36.2x56		M8	
⑦ 909850	PCS	⑧ 900342	PCS
	2		4
M8x25		M8x16	
⑨ 901182	PCS	○ 907694	PCS
	2		1
Ø11/M8x40		L 704	
○ 706473	PCS	○ 706780	PCS
	1		1
+1470		+1970	



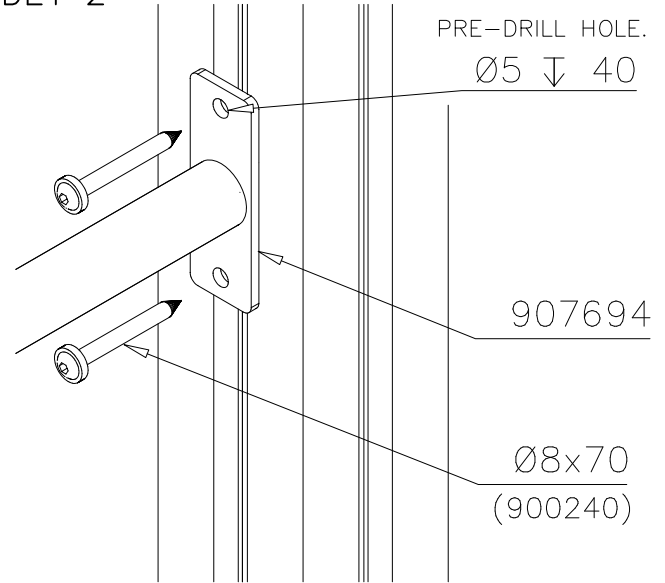
OPTIONS

	-301	BLUE
	-302	RED
	-303	BEIGE
	-304	GRAY
	-305	BLACK
	-306	YELLOW

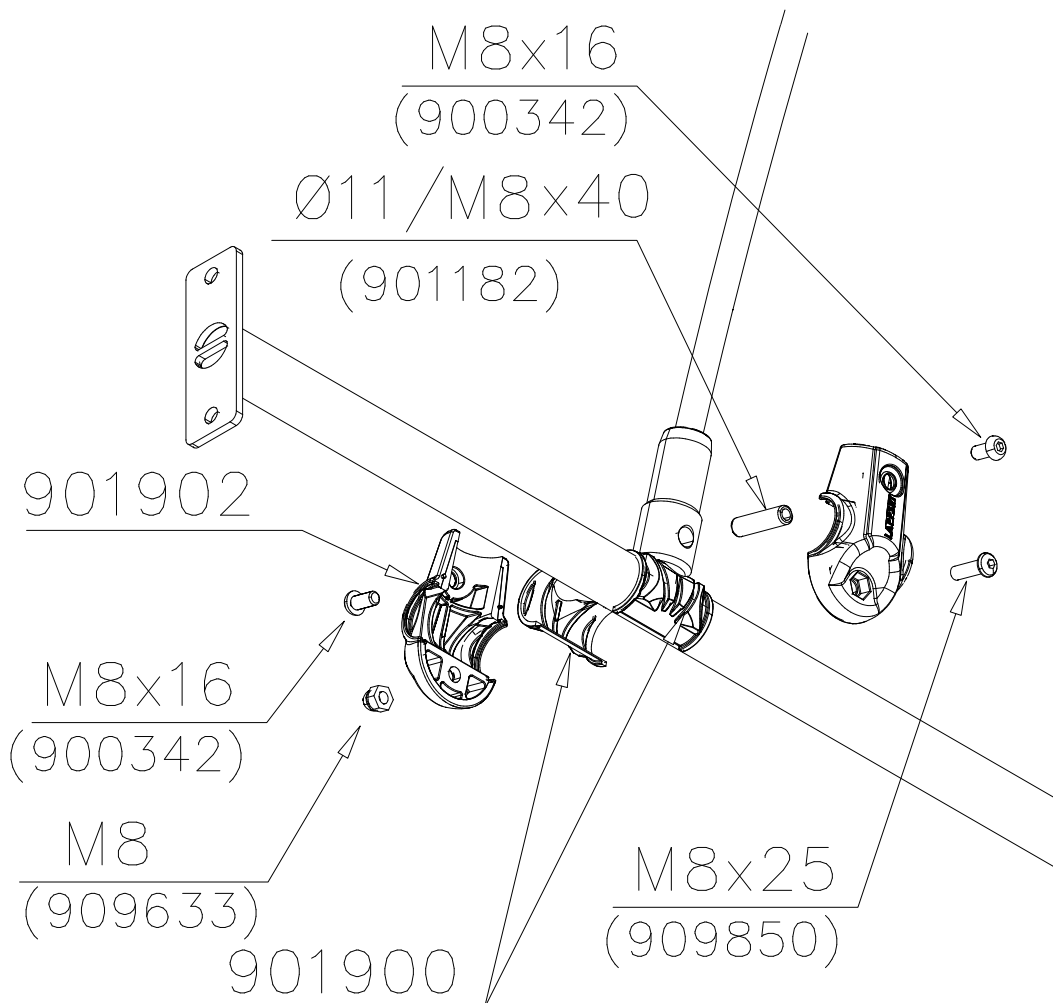
DET 1

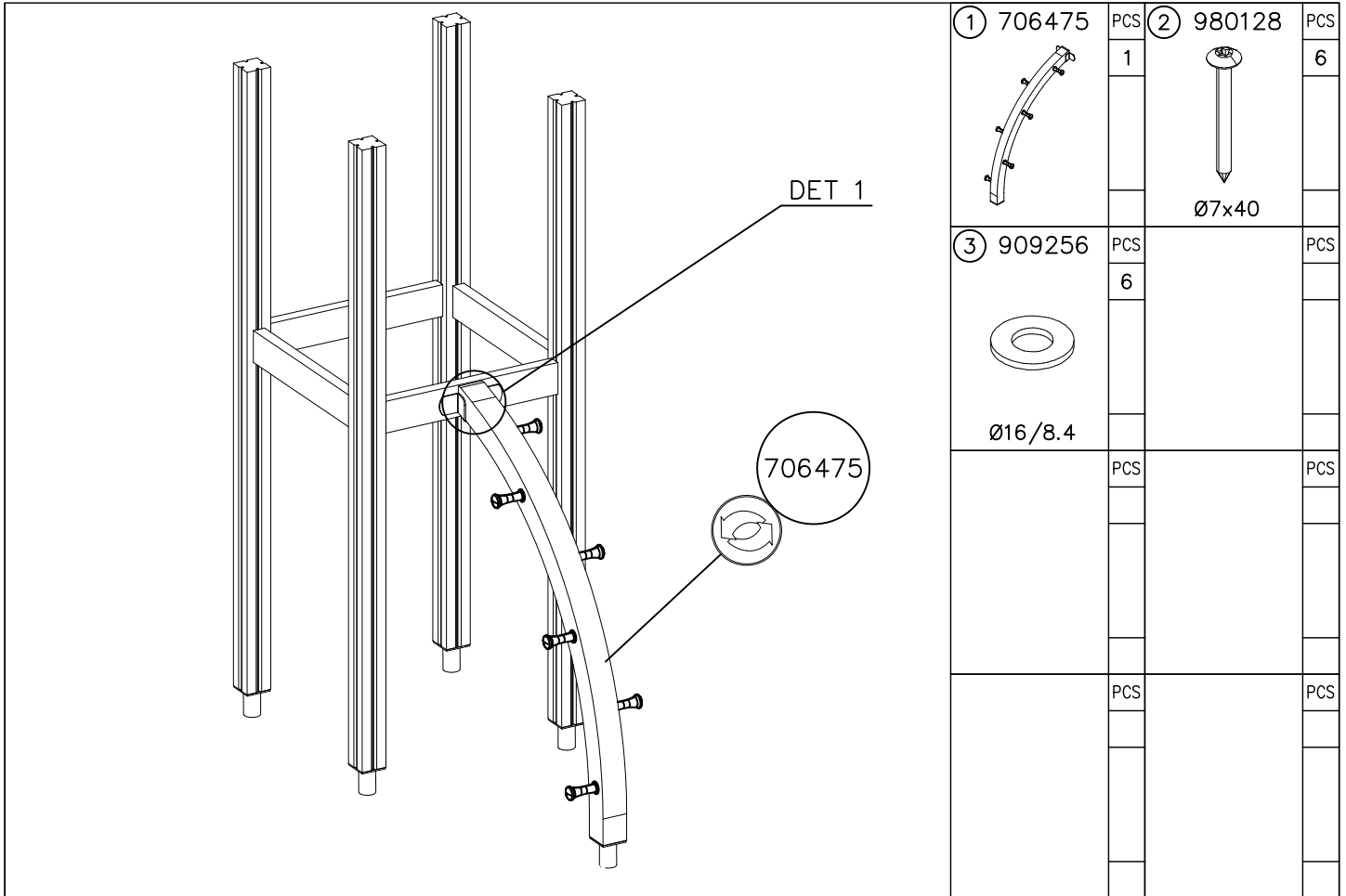


DET 2

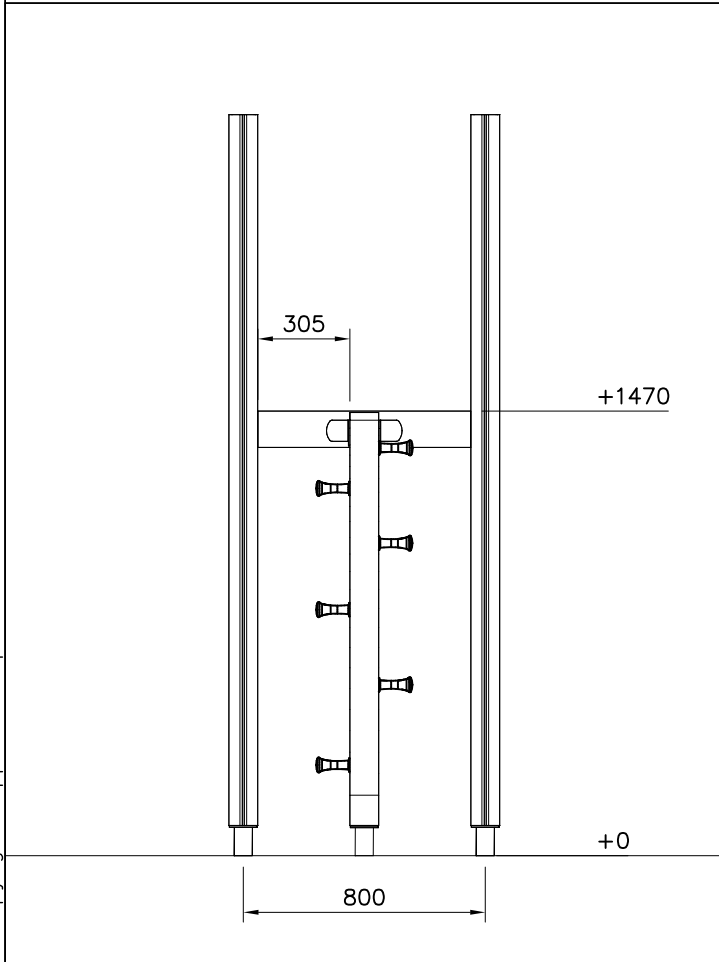


DET 3

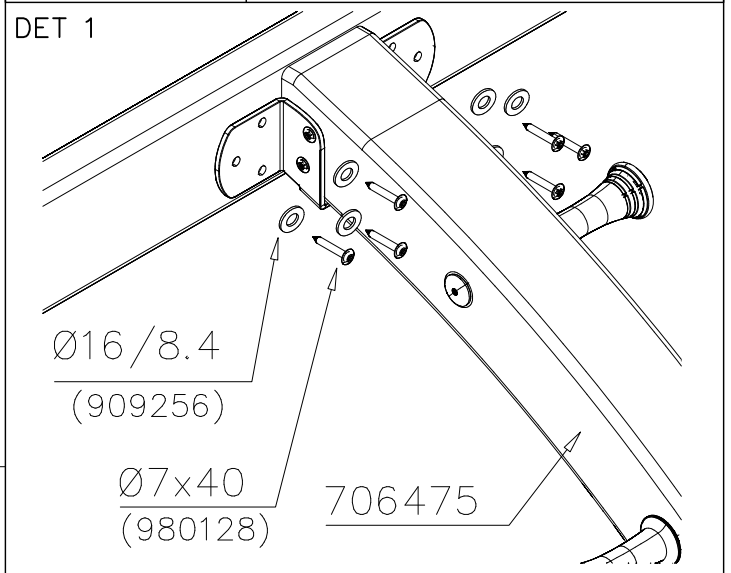




① 706475	PCS	② 980128	PCS
	1		6
		Ø7x40	
③ 909256	PCS		PCS
	6		
		Ø16/8.4	
	PCS		PCS
	PCS		PCS



OPTIONS		
706475	706475-602	DARK BROWN
	706475-603	LIGHT BROWN
	706475-604	LIGHT GRAY



1. The product is available in a choice of colours, components and mounting alternatives.

Please specify your preferences when placing your order. Choose from the following:

Posts and beams: available in three different colours

Walls: available in slatted wood or solid HPL panels in different colours

Roofs: choose between a ridge roof and a hip roof

Foundations: choose between underground anchoring and surface mounting

The roofs, walls and mounting components pictured in the mounting instructions may differ from your order. Alternative components are marked with the **SwitchIt** symbol.



2. Use the parts list and the markings on the components to make sure that you have all of the necessary parts.
3. Choose a location for the product, taking into account the safety margins specified in the mounting instructions. When deciding on the orientation of the product, pay attention to potential sun and wind loads. Level the ground and prepare the foundations as instructed. Make sure that the ground underneath the foundations is solidly packed. If necessary, replace soil with wood chips or some other sturdy material. The thickness of the safety surfacing should be calculated using the formula supplied with the mounting instructions.
4. Assemble the frame of the product in accordance with the instructions on page 6. Detailed instructions for the different mounting alternatives are shown in the supplement. Separate instructions are provided for the modular components that will be attached to the frame. Please follow the stated measurements carefully.
5. Make sure that the product is mounted straight and firmly into the ground. Remember to pack the soil carefully when refilling the excavation around deep-mounted structures.
6. Inspect the installation thoroughly using the checklist provided. Document the completed checklist carefully. Remember to stop children from using the product until it has been fully built and safety-tested and all mounting equipment has been cleared away.

1. Asennettava väline sisältää vaihtoehtoja värien, komponenttien ja perustustavan suhteen.

Vaihtoehdot valitaan tilauksen yhteydessä. Näihin kuuluvat seuraavat osat:

Tolpat ja puomit: Kolme eri väri vaihtoehtoa
Seinät: Vaihtoehtoina eriväriset puusäle- ja levyseinät
Katot: Vaihtoehtoina harja- tai aumakatto
Perustukset: Vaihtoehtoina syvä- ja pintaperustus

Asennusohjeen kuvissa voivat katot, seinät ja perustusosat poiketa toimituksen sisällöstä. Ohjeessa nämä vaihtoehtoiset osat on merkitty **Switch It**-merkillä.



2. Tarkasta tuoteosaluettelon ja osiin merkittyjen tuotenumeroitten avulla, että kaikki osat sisältyvät toimitukseen.
3. Valitse välineelle paikka ottaen huomioon valmistajan asennusohjeessa ilmoittamat turvaetäisyydet. Valitessasi välineen asennussuuntaa, huomioi mahdollinen altistuminen voimakkaalle auringonpaisteelle tai tuulelle. Tasoita alue ja tee ohjeen mukaiset perustustyöt. Varmista, että perustusosien alapuolinen maa on **tiivistetty riittävästi**. Tarvittaessa pohjamaa tulee vaihtaa murskeeseen tai vastaavaan kantavaan maa-ainekseen. Iskua vaimentavan pintamateriaalin vahvuus määräytyy laskentakaavan perusteella, joka esitetään perustusohjeen lisäsivulla.
4. Välineen rungon pystytysohje esitetään sivulla 6. Yksityiskohtaiset kuvat asennuksesta on koottu erillisille ohjesivuille, joissa ne on ryhmitelty kiinnitystavan mukaan. Runkoon kiinnitettävistä komponenteista on erilliset moduuliohjeet. Noudata valmistajan asennusohjeessa ilmoittamia mitoituksia.
5. Tarkasta, että väline on suorassa ja perustukseltaan tukeva. Syväperusteisissa välineissä on suoritettava **riittävä maan tiivistäminen** kaivantojen täytön yhteydessä.
6. Tee käyttöönottotarkastus ennen välineen käyttöönottoa toimitukseen sisältyvän pöytäkirjan mukaisesti. Pöytäkirja tulee dokumentoida. Muista, että pääsy välineeseen tulee estää, kunnes se on valmis, turvallinen ja kaikki asennustarvikkeet on viety pois.

1. Man kan välja mellan olika färger, komponenter och fundament på lekplatsutrustningen.

Alternativen specificeras i samband med beställningen. Till dessa hör följande delar:

Stolpar och bommar: tre olika färger

Väggar: väggar i olika färger av träpaneler eller hpl-skivor

Tak: sadel- eller dubbelbrutet tak

Grundkonstruktion: djup- eller ytfundament

På bilderna i monteringsanvisningarna kan tak, väggar och fundament skilja sig från leveransens innehåll. I instruktionerna har dessa alternativa delar märkts med märket **Switch It**



2. Kontrollera stycklistan och delarna i förpackningen med hjälp av produktnumren.
3. När du väljer platsen för utrustningen bör du beakta de säkerhetsavstånd som tillverkaren meddelat i monteringsanvisningarna. När du väljer monteringsriktning måste du beakta eventuell exponering för solsken eller vind. Jämna ut underlaget och utför grundarbetet i enlighet med instruktionerna. Säkra att marken under fundamentet är tillräckligt komprimerad. Vid behov kan man ersätta jorden med krossad sten eller motsvarande bärande jordmaterial. Styrkan på det slagdämpande ytmaterialet bestäms med hjälp av beräkningsformeln som presenteras på fundamentinstruktionernas tilläggsida.
4. Monteringsanvisningarna till utrustningens stomme finns på sidan 6. Detaljerade bilder av installationen har samlats på separata instruktionssidor, där de har grupperats enligt monteringsmetod. Det finns specifika modulanvisningar till de komponenter som ska sättas fast i stommen. Följ de dimensioner som tillverkaren gett i monteringsanvisningarna.
5. Kontrollera att utrustningen står rakt och stabilt. För utrustningar med djupt fundament måste man komprimera jorden ordentligt när man fyller igen groparna.
6. Innan utrustningen tas i bruk ska en slutbesiktning i enlighet med protokollet i leveransen utföras. Protokollet måste dokumenteras. Kom ihåg att tillträde till utrustningen måste förhindras tills den är färdig monterad, säker och alla monteringsstillbehör avlägsnats.

1. Das zu installierende Gerät enthält Alternativen in Bezug auf Farben, Komponenten und Fundament.

Die Alternativen werden bei der Bestellung ausgewählt. Hierzu zählen:

Pfosten und Balken: drei verschiedene Farbvarianten stehen zur Auswahl

Wände: verschiedenfarbige Holzlamellen- und HPL-Wandelemente stehen zur Auswahl

Dächer: Auswahl zwischen Pyramidendach oder Satteldach

Fundamente: Auswahl zwischen Tiefen- oder Oberflächenmontage

Die in der Installationsanleitung dargestellten Dächer, Wände und Fundamentteile können vom Inhalt der Lieferung abweichen. In der Anleitung werden diese Teile mit dem SwitchI-Zeichen gekennzeichnet.



2. Überprüfen Sie die Lieferung auf Vollständigkeit, indem Sie das Teileverzeichnis mit der Lieferung abgleichen.
3. Wählen Sie einen Standort für das Gerät und berücksichtigen Sie die vom Hersteller in der Installationsanleitung genannten Sicherheitsabstände. Bei der Ausrichtung des Gerätes beachten Sie den möglichen Einfluss von starker Sonneneinstrahlung oder Wind. Ebenen Sie den Bereich und führen Sie die Fundamentarbeiten nach Anleitung durch. Stellen Sie sicher, dass der Boden unter den Fundamentteilen ausreichend verdichtet ist. Wenn nötig, muss das Untergrundmaterial durch Split oder ein anderes tragfähiges Material ausgetauscht werden. Die Stärke des stoßdämpfenden Oberflächenmaterials wird auf Grundlage einer Formel berechnet, die im Anhang der Anleitung für die Fundamente dargestellt ist.
4. Die Aufbauanleitung für den Rahmen des Gerätes finden Sie auf Seite 6. Detaillierte Bilder der Installation sind auf gesonderten Anleitungsseiten zusammengestellt, auf denen sie nach ihrer Befestigungsweise geordnet sind. Für die am Geräterahmen befestigten Komponenten gibt es besondere Modulanleitungen. Halten Sie die in der Installationsanleitung vom Hersteller genannten Maße ein.
5. Überprüfen Sie, dass das Gerät in Waage steht und sicher am Boden verankert ist. Bei Geräten mit Tiefenfundamenten muss der Boden beim Auffüllen des Aushubs ausreichend verdichtet oder betoniert werden.
6. Führen Sie eine Inbetriebnahmeüberprüfung entsprechend des im Lieferumfang enthaltenen Protokolls durch, bevor das Gerät benutzt wird. Das Protokoll muss aktenkundig dokumentiert werden. Denken Sie daran, dass der Zugang zum Gerät verhindert werden muss, bis es fertig und sicher ist und alle Installationswerkzeuge entfernt sind.

1. L'équipement à monter comporte des choix de couleurs, de composants et de modes de fondation.

Les options sont choisies lors de la commande. Elles comprennent les composants suivants :

Poteaux et poutres : Trois couleurs optionnelles

Parois : Parois en lattes de bois et en plaques de diverses couleurs

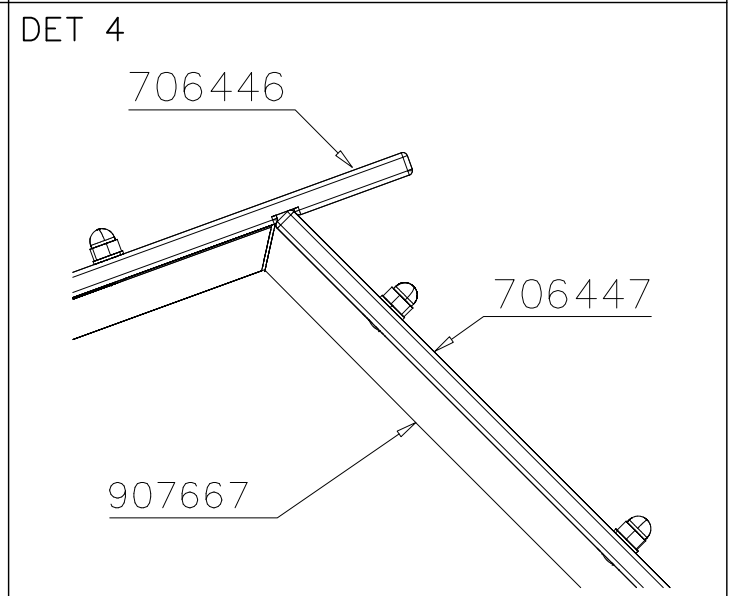
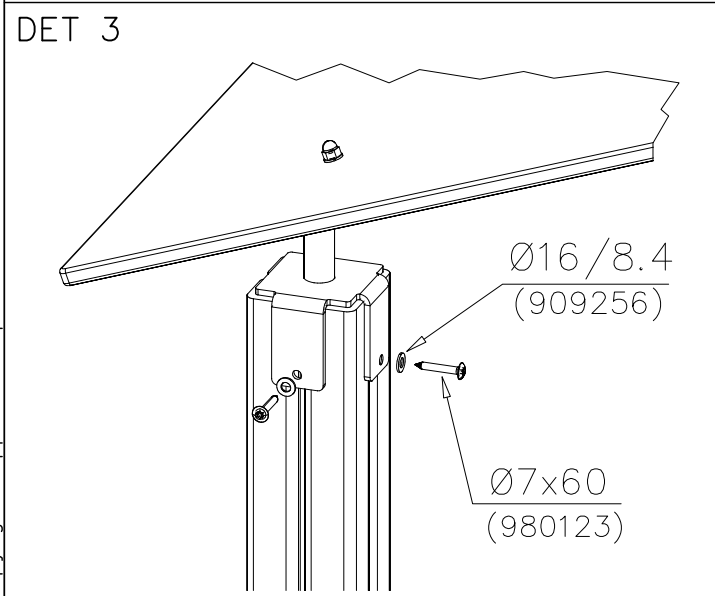
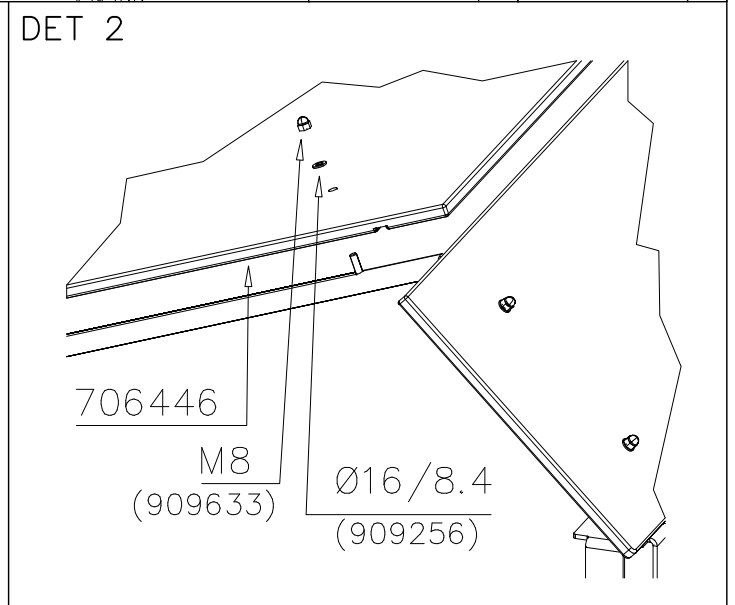
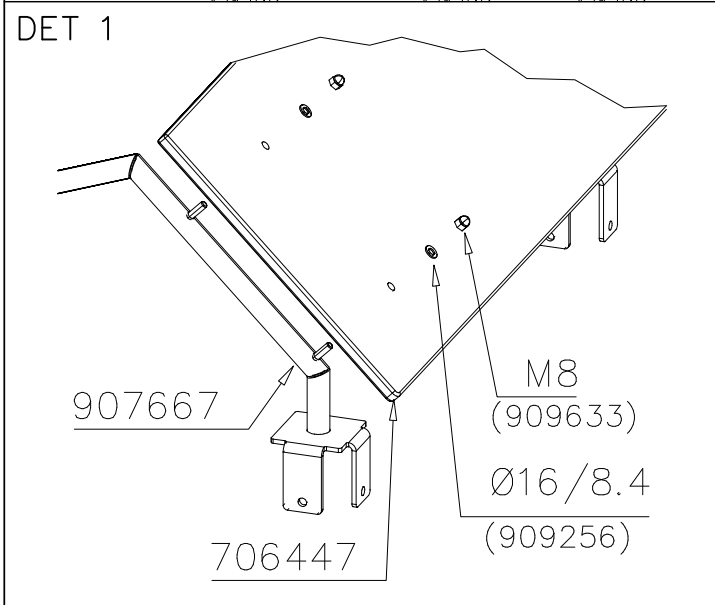
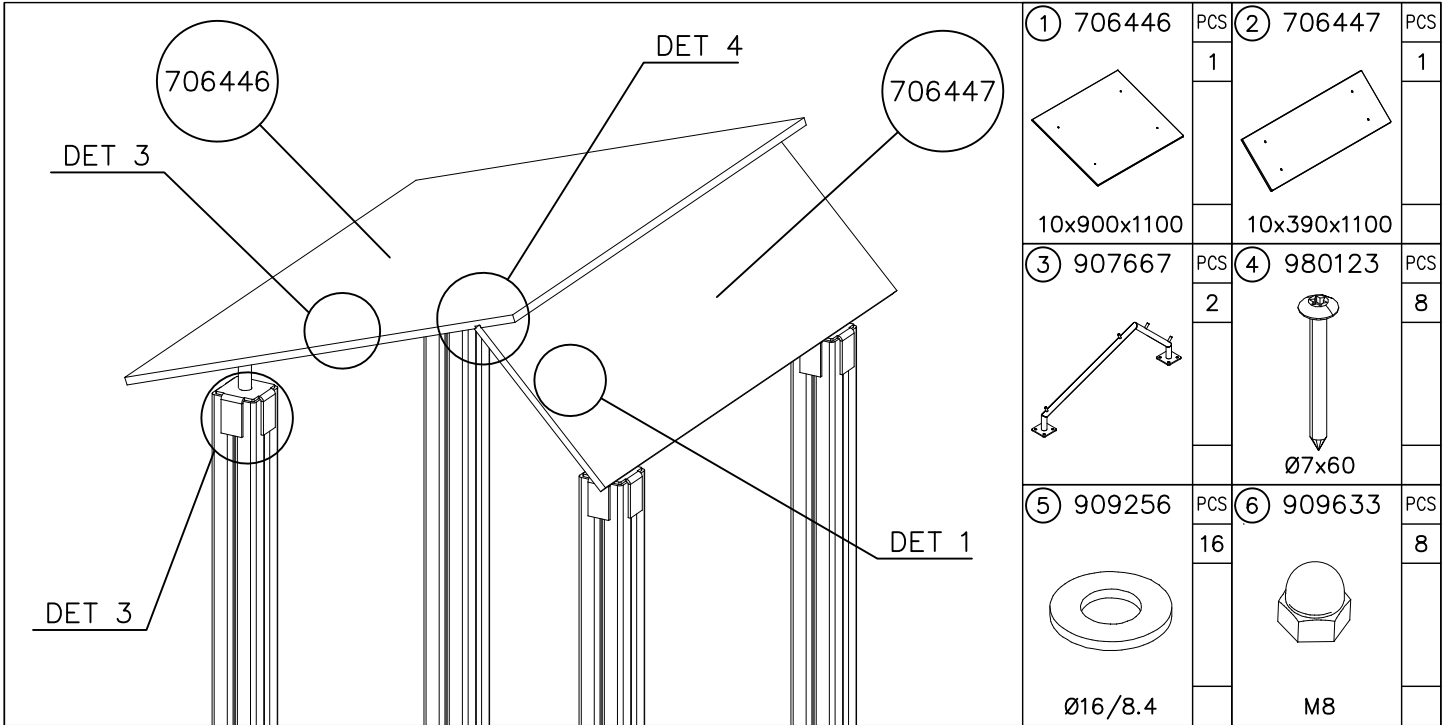
Toits : Choix entre un toit à deux pentes ou un toit en croupe

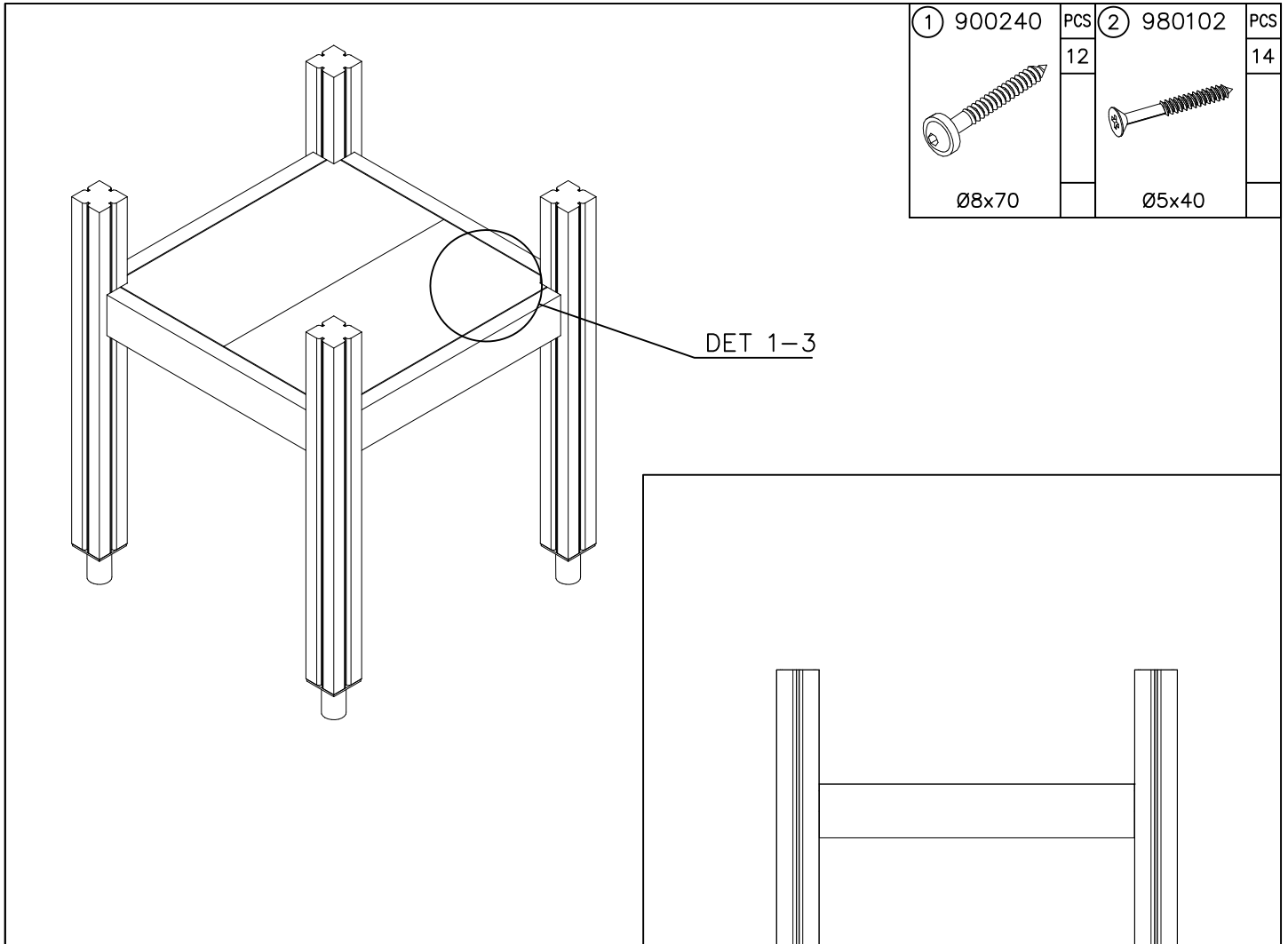
Fondations : Choix entre une fondation sous le sol et en surface

Sur les images des instructions de montage, les toits, les parois et les pièces de la fondation peuvent être différents de ceux de la commande. Ces pièces optionnelles sont indiquées, dans les instructions, par la marque SwitchIt.



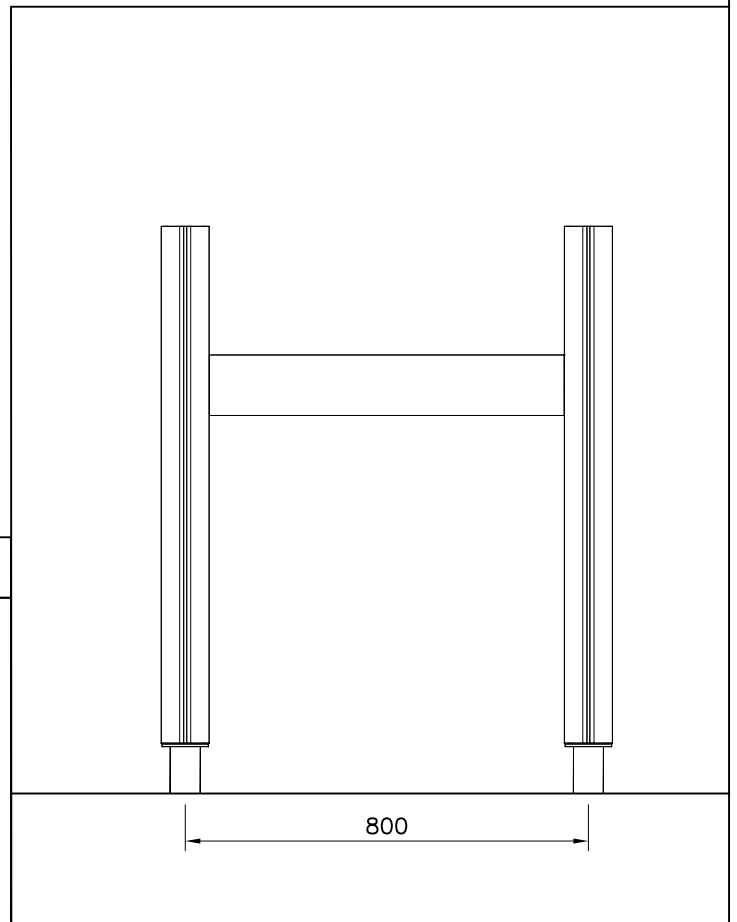
2. Vérifier à l'aide de la liste des pièces et des numéros de produit marqués sur les pièces que la livraison comprend toutes les pièces nécessaires.
3. Choisir le bon emplacement pour l'équipement, compte tenu des distances de sécurité indiquées par le fabricant dans les instructions de montage. Tenir compte de l'exposition éventuelle aux forts rayons de soleil ou au vent lors du choix du sens de montage de l'équipement. Egaliser la surface de l'emplacement choisi et effectuer les travaux de fondation conformément aux instructions. S'assurer que le sol sous les pièces de fondation a été suffisamment compacté. Si besoin est, le sol de fondation doit être remplacé par des pierres concassées ou un matériau portant similaire. L'épaisseur du matériau de surface anti-choc est calculée selon la formule indiquée à la page supplémentaire des instructions de fondation.
4. Les instructions d'érection de l'ossature de l'équipement sont indiquées à la page 6. Les images détaillées du montage sont adjointes aux pages d'instruction séparées où elles sont groupées selon le mode de fixation. Des instructions modulaires séparées sont données pour les composants à fixer sur l'ossature. Respecter les mesures données par le fabricant dans les instructions de montage.
5. Vérifier que l'équipement est droit et que sa fondation est solide. Dans le cas des équipements dont la fondation se trouve sous le sol, le sol doit être suffisamment compacté lors du remplissage des trous.
6. Effectuer un contrôle de mise en service conforme au procès-verbal compris dans la livraison avant la mise en service de l'équipement. Ce procès-verbal doit être documenté. Ne pas oublier d'empêcher l'accès à l'équipement jusqu'à ce que celui-ci soit prêt et sûr et que tous les outils de montage aient été enlevés.





① 900240	PCS	② 980102	PCS
	12		14
Ø8x70		Ø5x40	

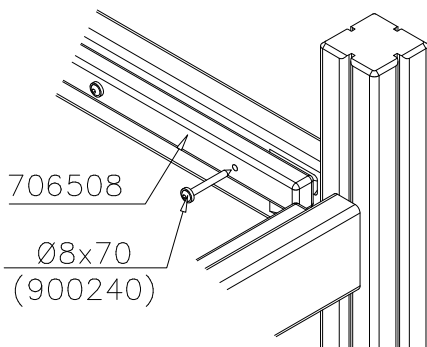
DET 1-3



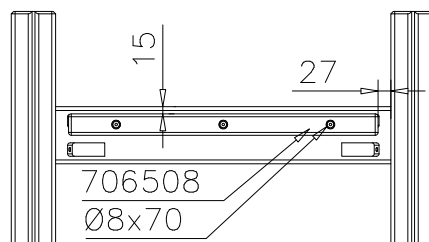
FLOOR OPTIONS

 15x375x750	707327-701	BLUE
	707327-702	YELLOW
	707327-703	LIME
	707327-704	DARK GRAY
	707327-705	LIGHT GRAY
	707327-706	RED
	707327-707	GREEN
	707327-708	FUXIA

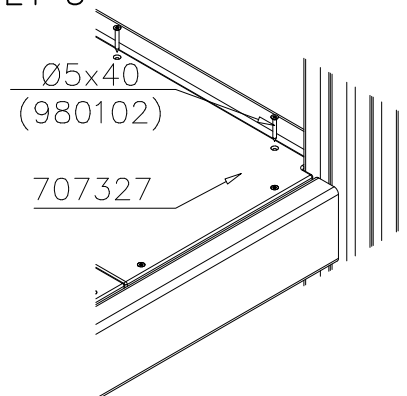
DET 1

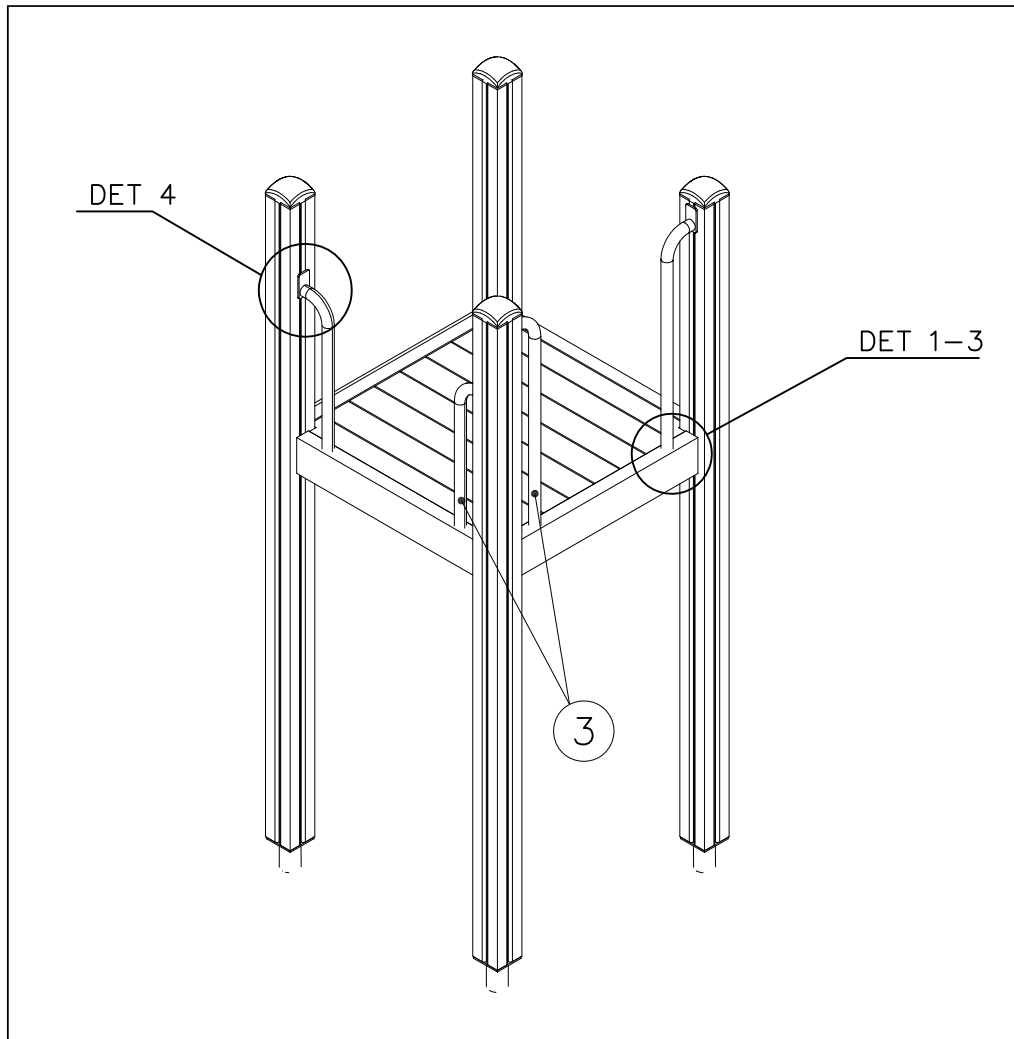


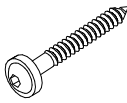



DET 2

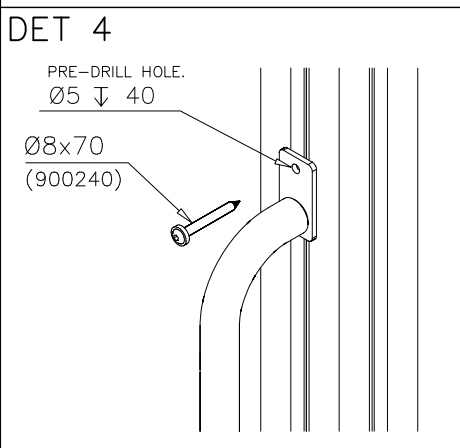
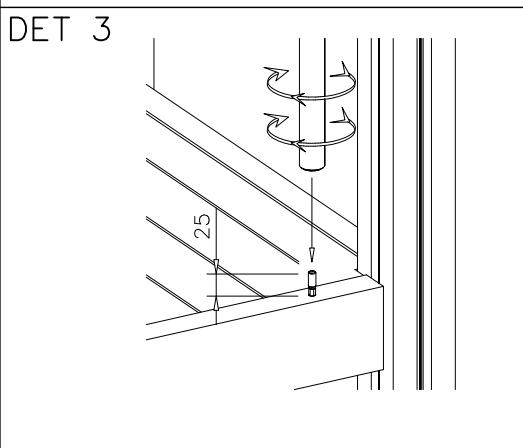
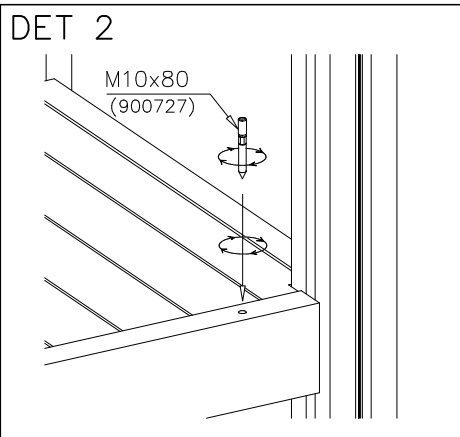
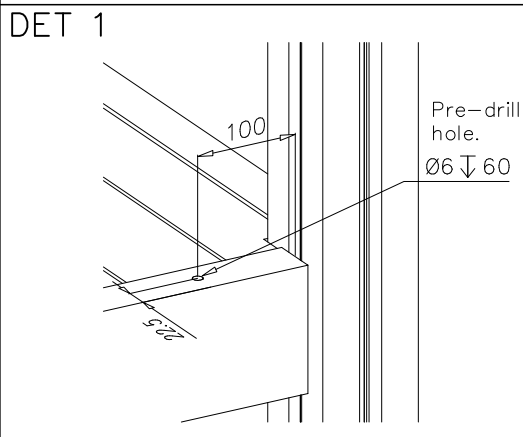


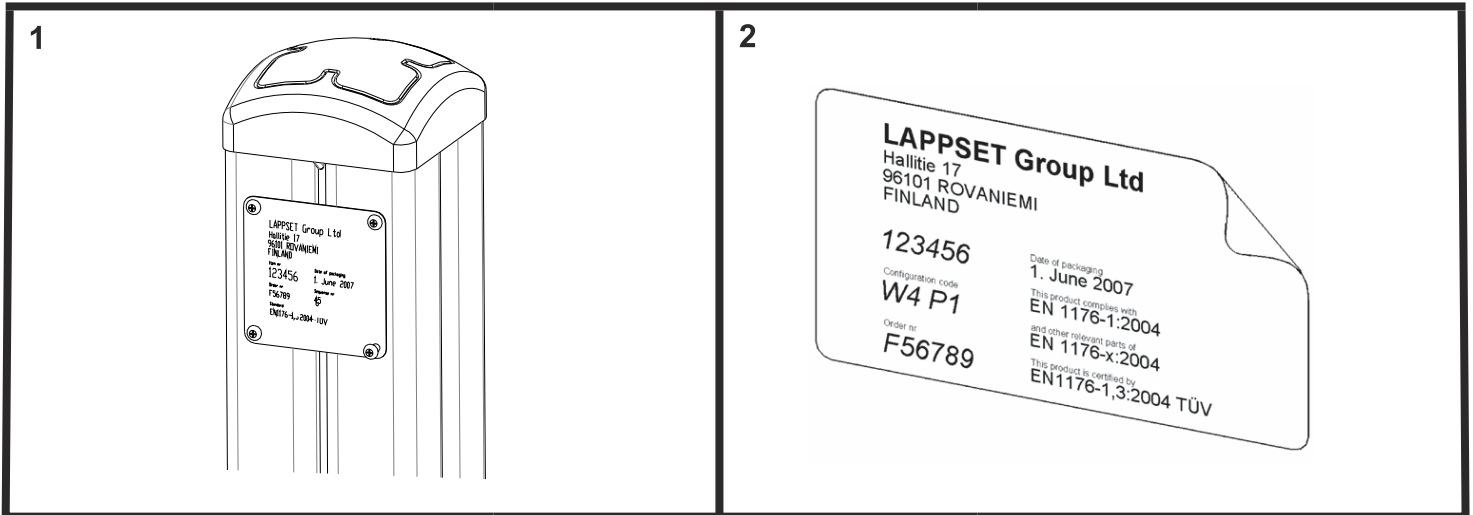
DET 3





① 900240	PCS	② 900727	PCS
	1		1
Ø8x70		M10x80	
	PCS		PCS
③ 907688	PCS	③ 907701	PCS
	1		1
765		545	
	PCS		PCS
	PCS		PCS
	PCS		PCS
	PCS		PCS



**Tuotekyltti tulee tuotteen mukana yhdellä seuraavista tavoista:****1) Metallinen tuotekyltti ja kiinnitysruuvit**

- Kiinnitä tuotekyltti ruuveilla tolppaan noin 2 metrin korkeuteen kuvan 1 mukaisesti.

2) Tuotekylttitarra

- Puhdista maalattu metalli- tai vaneripinta pölystä ja kosteudesta. Liimaa tarra kuvan 2 mukaisesti.
- Huom. Älä kiinnitä tarraa karheapintaiseen laminaattiin tai maalattuun puuhun.

Vår produktmärkning levereras på ett av följande sätt:**1) Produktskylt i metall**

- Fäst skylten med de medföljande skruvarna

2) Självhäftande produktetikett

- Rengör den pulverlackerade metallytan eller laminatyten så att den blir fri från smuts och fukt. Fäst etiketten enligt fig. 2.
- Obs! Fäst ej etiketten på detaljer med skrovlig yta eller på målat trä.

Product label is delivered by one of following ways:**1) Metal product label and screws**

- Fasten the label with screws.

2) Label sticker

- Clean the painted metal or plywood surface from dirt and moisture. Fasten the sticker as shown in the figure 2.
- Note. Do not attach the sticker to rough surfaced laminate or painted wood.

La plaque d'informations produit est livrée sous l'une de ces 3 formes :**1) Plaque métallique et vis**

- Fixez la plaque à l'aide des vis.

2) Etiquette autocollante

- Avant de coller l'étiquette, nettoyez le composant métallique peint ou la plaque de contreplaqué, de toute saleté. La surface doit être sèche (voir image 2).
- Attention, ne pas coller l'étiquette sur une surface lamellé-collée irrégulière ou sur du bois peint.

Die Auslieferung des Produktaufklebers erfolgt auf eine dieser Arten:**1) Produkt-Schild aus Metall incl. Schrauben**

- Die Befestigung des Schildes erfolgt mittels der Schrauben.

2) Aufkleber

- Entfernen Sie zunächst Schmutz und Feuchtigkeit vom lackierten Metall bzw. von der Holzoberfläche und bringen Sie den Aufkleber wie im Bild oben rechts beschrieben auf den gesäuberten Untergrund auf.
- Beachten Sie: Bringen Sie den Aufkleber nicht auf raues laminiertes oder lackiertes Holz an.