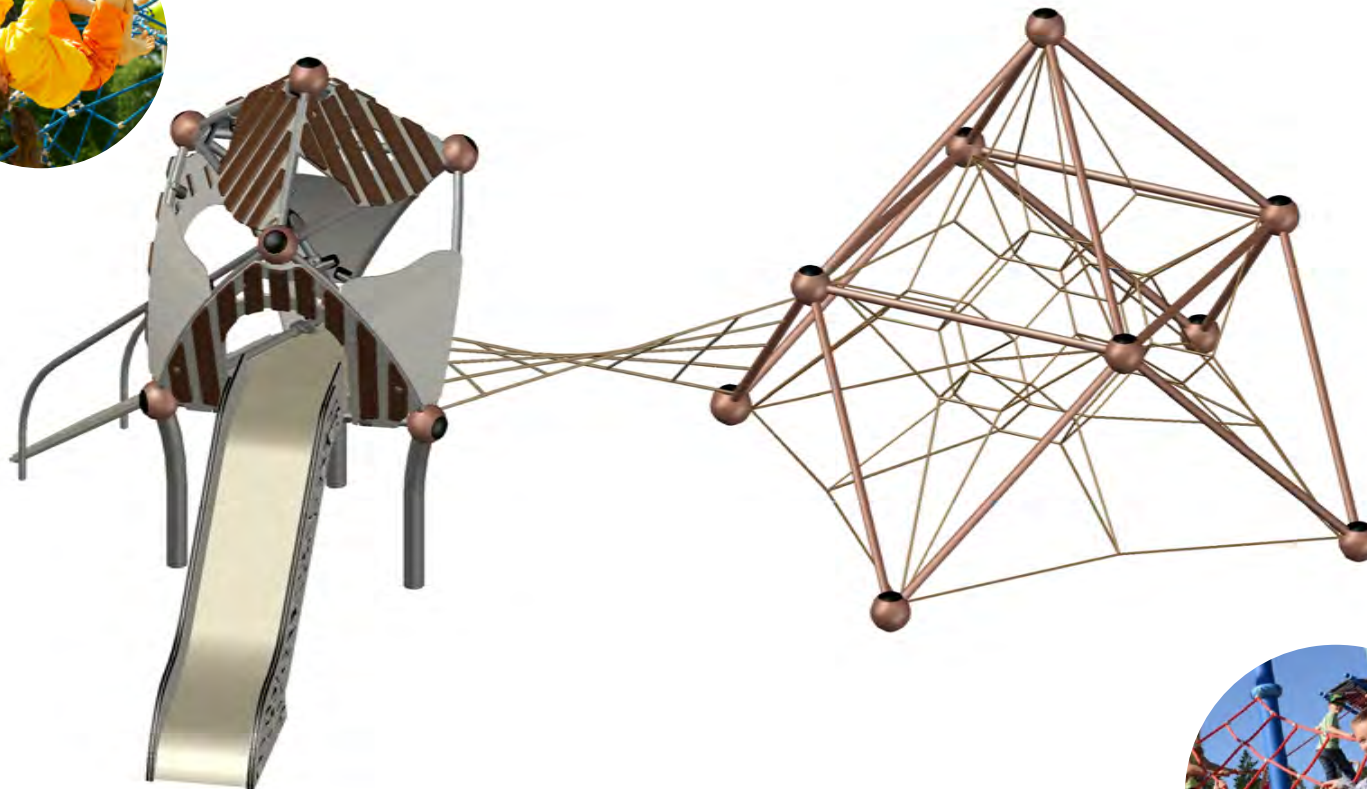


Boundless Journey Adventure Park - Phase 2 Farmington, NM. USP.11086



Posts



RAL 3012
Red Beige

HDPE Panels



White

Clamps and Balls



RAL 3015
Light Pink

Ropes



Beige

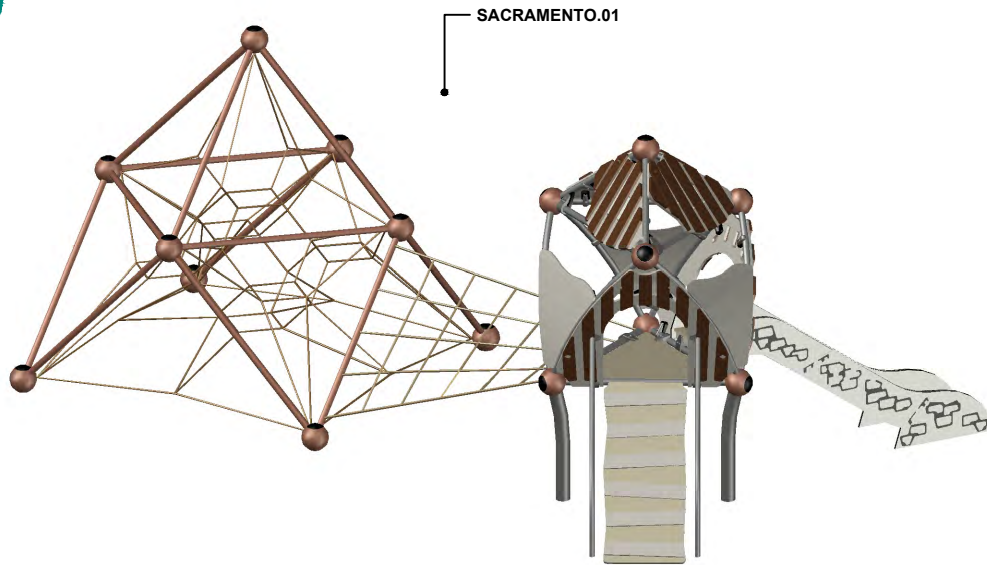


Berliner Seilfabrik
Play Equipment Corporation

96 Brookfield Oaks Dr., Suite 140,
Greenville, SC 29607

Phone: +1-864-627-1092
Fax: +1-864-627-1178

www.berliner-playequipment.com
info@berliner-playequipment.com



SACRAMENTO.01



KIDS BOUNCE.04



HAMMOCK COMBINATION



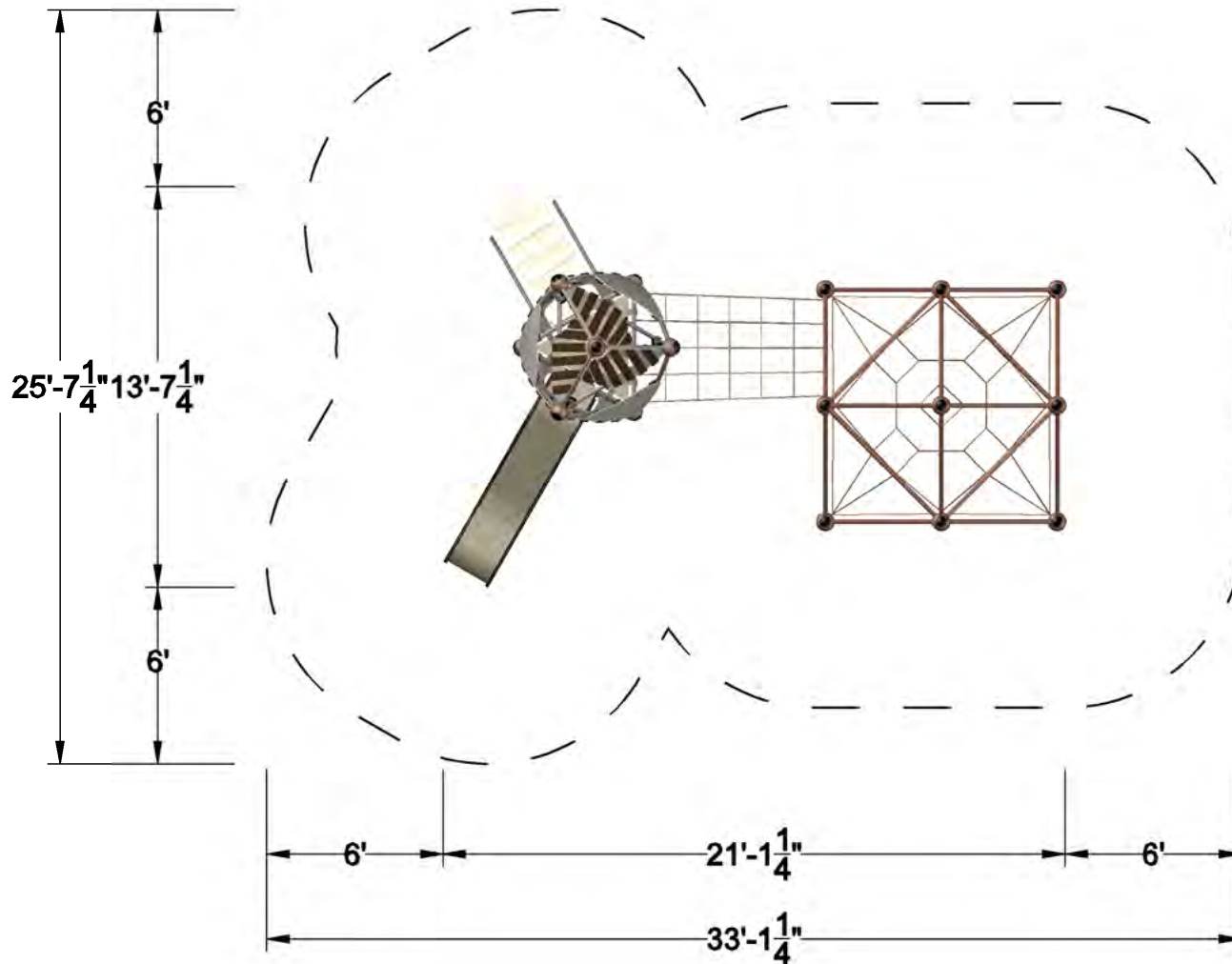
Boundless Journey Adventure Park-Phase 2 Farmington, NM.

USP.11086



	Dimensions (l x w x h) ('-")21'-2" x 13'-8" x 8'-7"		Free height of fall ('-")6'-0"
	Minimum space required ('-")33'-2" x 25'-8"		Surface (sqft) 1340
	Format ANSI A (8.5" x 11")		Scale N.T.S.
	Date 11.03.2025		Name M.Buck I.Chen
	Revision Date 1. 2.		3. 4.

Please note: Current design is for conceptual purposes only and is subject to change.



Boundless Journey Adventure Park-Phase 2 Farmington, NM.

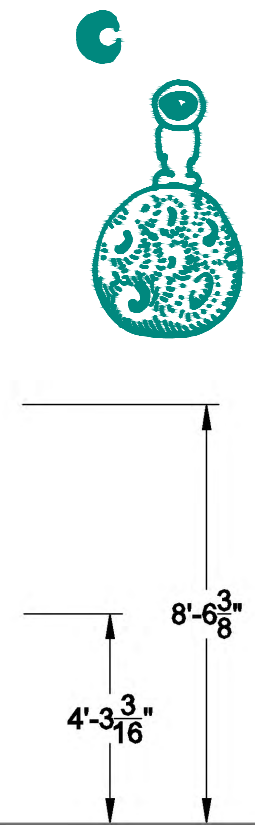
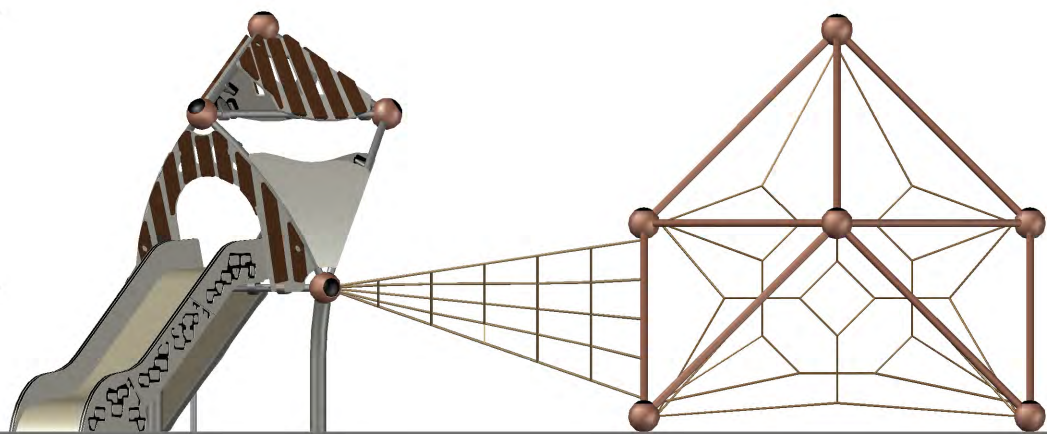
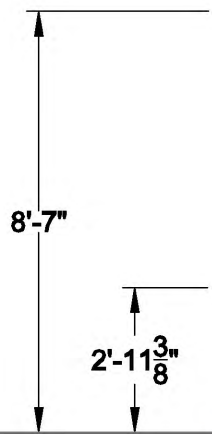
USP.11086



	Dimensions (l x w x h) ('"-)21'-2" x 13'-8" x 8'-7"		Free height of fall ('"-)6'-0"
	Minimum space required ('"-)33'-2" x 25'-8"		Surface (sqft) 1340
	Format ANSI A (8.5" x 11")		Scale N.T.S.
	Date 11.03.2025		Name M.Buck I.Chen
	Revision Date 1. 2.		3. 4.

Please note: Current design is for conceptual purposes only and is subject to change.

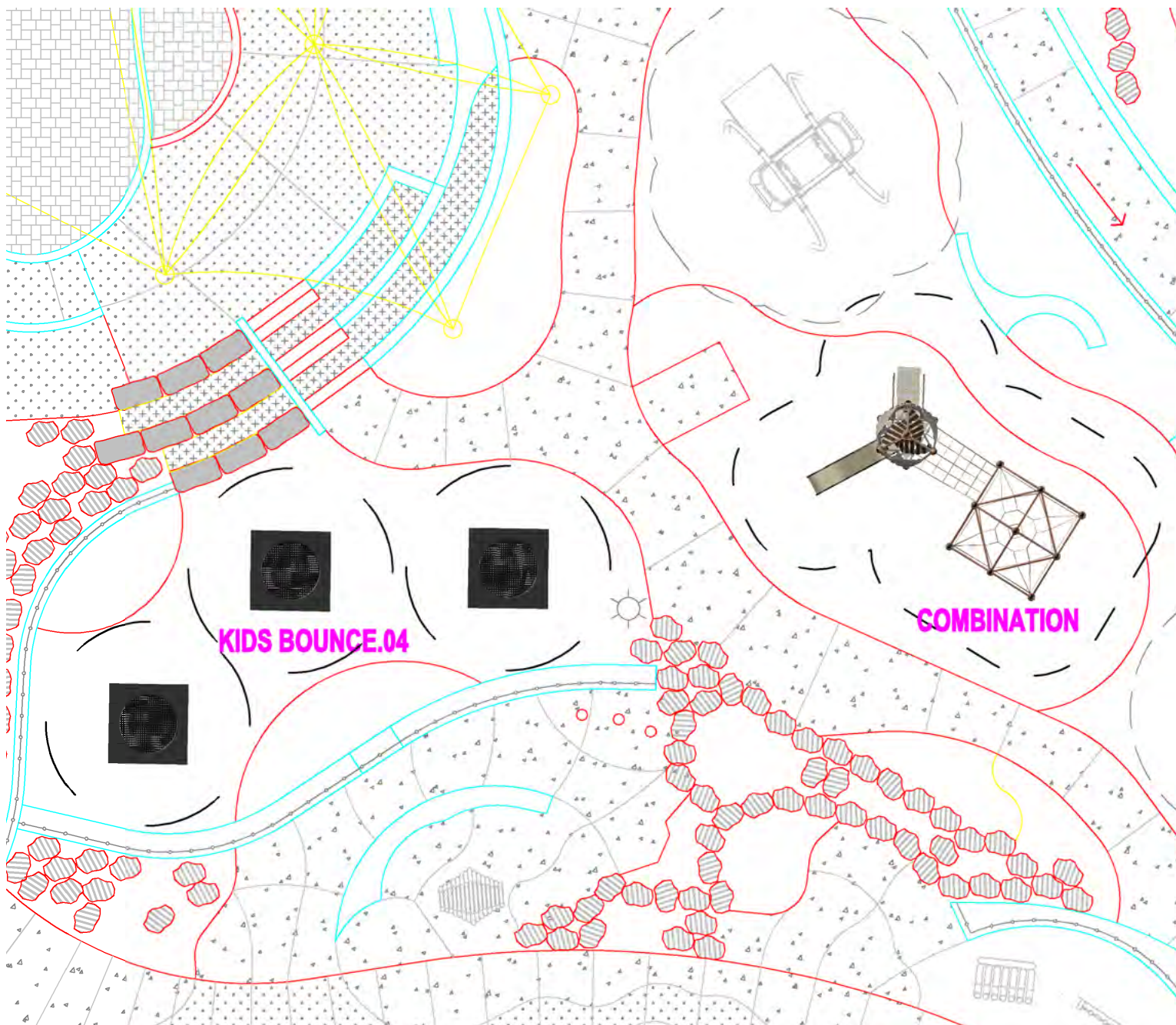




Boundless Journey Adventure Park-Phase 2 Farmington, NM.

USP.11086			
	Dimensions (l x w x h) ('-")21'-2" x 13'-8" x 8'-7"		Free height of fall ('-")6'-0"
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	Format ANSI A (8.5" x 11")		Scale N.T.S.
	Date 11.03.2025		Name M.Buck I.Chen
	Revision Date 1. 2.		3. 4.

Please note: Current design is for conceptual purposes only and is subject to change.



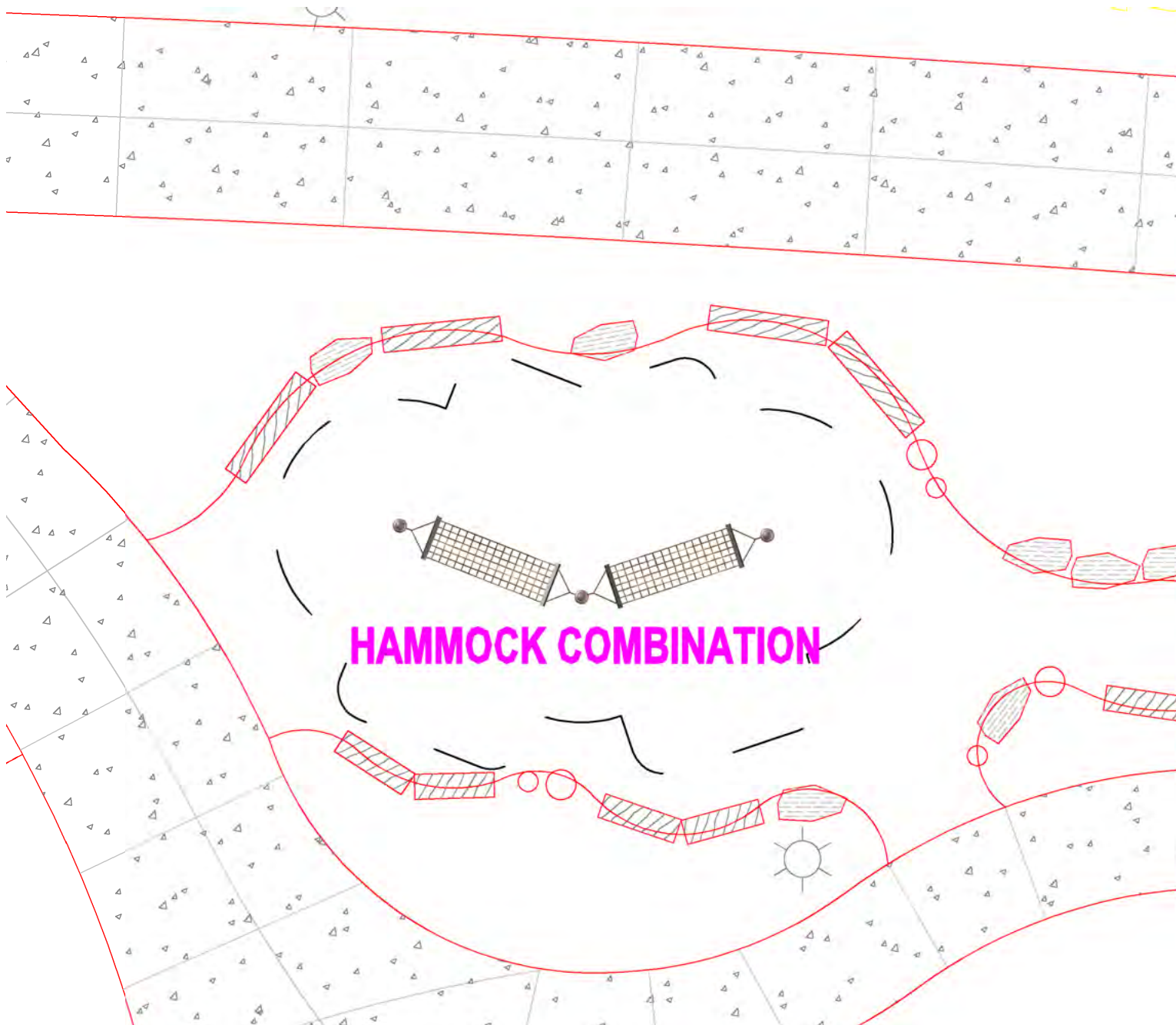
Boundless Journey Adventure Park-Phase 2 Farmington, NM.

USP.11086



	Dimensions (l x w x h) ('"-)21'-2" x 13'-8" x 8'-7"		Free height of fall ('"-)6'-0"
	Minimum space required ('"-)33'-2" x 25'-8"		Surface (sqft) 1340
	Format ANSI A (8.5" x 11")		Scale N.T.S.
	Date 11.03.2025		Name M.Buck I.Chen
	Revision Date 1. 2.		3. 4.

Please note: Current design is for conceptual purposes only and is subject to change.



HAMMOCK COMBINATION

Boundless Journey Adventure Park-Phase 2 Farmington, NM.

USP.11086

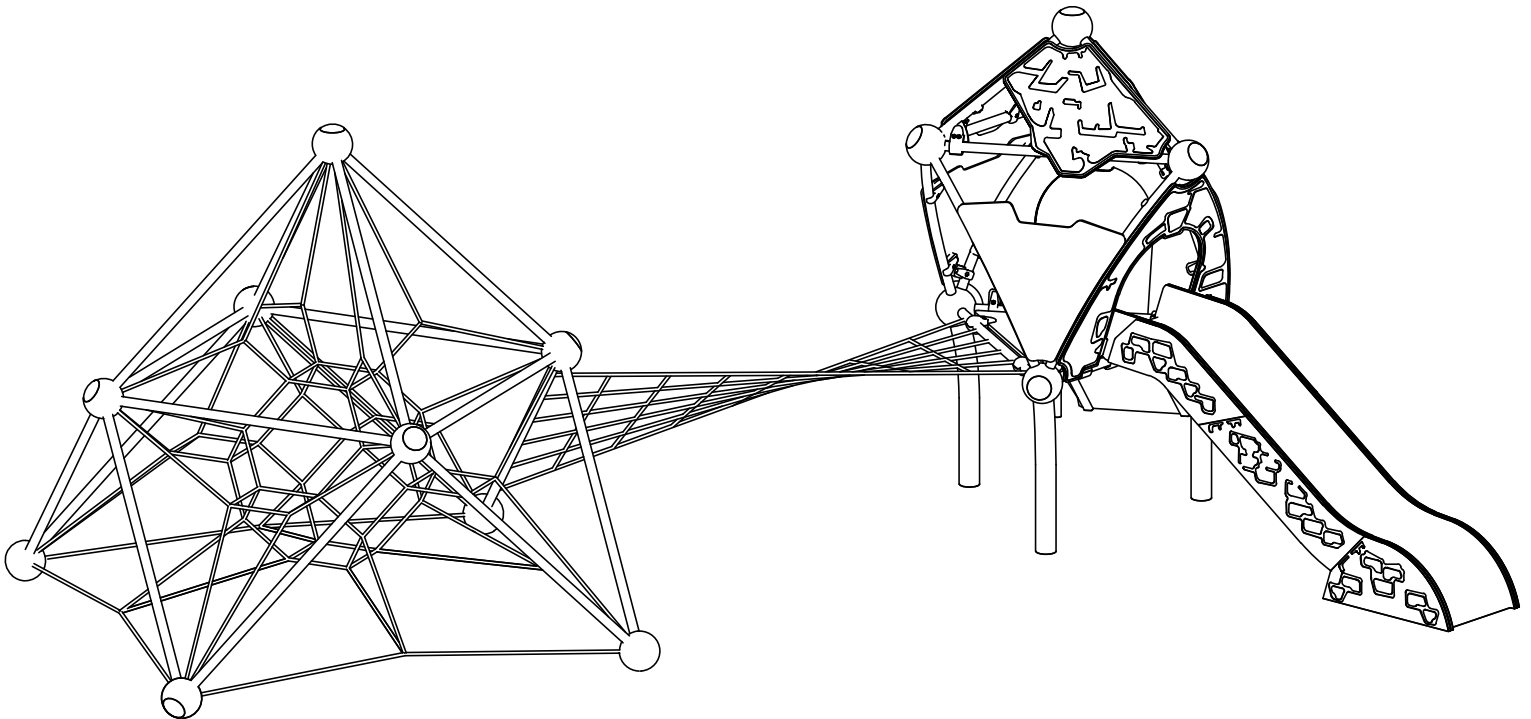


	Dimensions (l x w x h) ('-")21'-2" x 13'-8" x 8'-7"		Free height of fall ('-")6'-0"
	Minimum space required ('-")33'-2" x 25'-8"		Surface (sqft) 1340
	Format ANSI A (8.5" x 11")		Scale N.T.S.
	Date 11.03.2025		Name M.Buck I.Chen
	Revision Date 1. 2.		3. 4.

Please note: Current design is for conceptual purposes only and is subject to change.

CBN.620

Mounting instruction

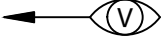
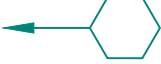
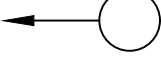


Item number: 901806200000

Drawing number: CBN.620

Designation ASTM F1487
Standard Consumer Safety Performance
Specification for Playground Equipment for Public Use

Key

	Playing area zone / use zone - ASTM
	Foundation / Building pit
	Foundation frame
	System axes
	Axes Reference point
	Reference point
	Color code - post
	Color code - post + cap
	Color code - T-clamp
	Position number
	Position view / perspective
	Post number
	Tube position number
	Special tube position number
 Type	Sphere / node designation
 No.	Net + rope designation
	Net + rope position number
	Panel position number / general numbering

Installers + Time



Number of skilled installers required:
min. 2



Installation time without foundation:
~ varies according to the size of the play equipment

Tool recommendations (tools available for order)

Additional
tools required
are included



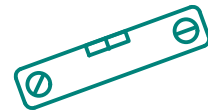
wedges / pillar



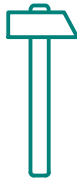
wheelbarrow



spade



bubble level



hammer



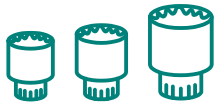
cutter



screwdriver



permanent
marker



socket spanner bit
with 1/2" square drive
SW17, SW19, SW30



extension with 1/2"
square drive 2 3/4"



socket for wrenches
with 1/2" square drive,
wrench size 30
(long form)



ratched with 1/2"
square drive



centre punch



stepladder

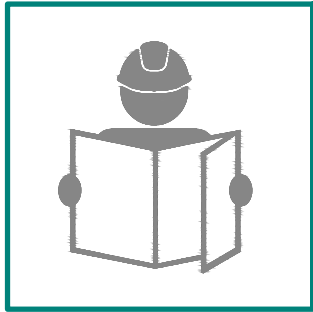


Plank for support



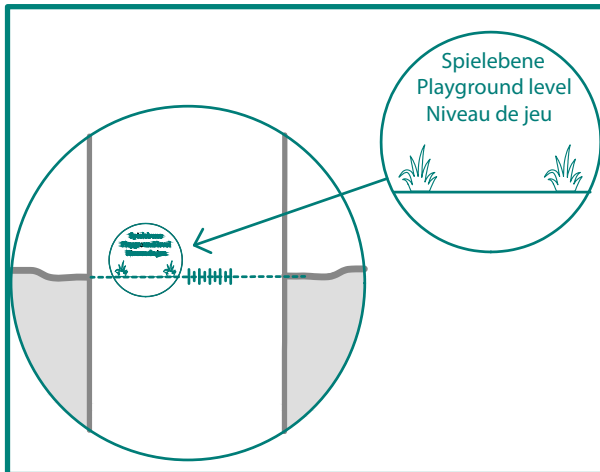
gripping hoist

Foundation construction - "Inground"-variant

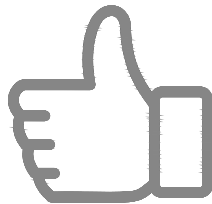
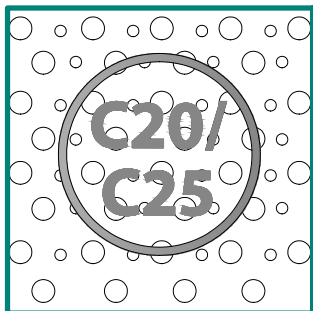


A foundation plan is supplied to assist with installation. This plan shows the position and sizes of the foundation .

All denoted dimensions (including overall heights) **MUST** be adhered, as the connection points and framework are constructed based on the foundation plan.

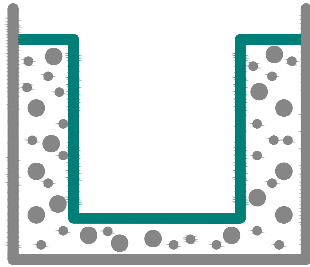


The playground level must be considered. It is identified by a sticker and welding mark on each post.



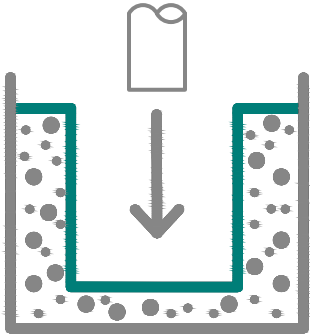
The minimum required concrete quality to use is C20/25 (3500psi).

Foundation construction - "Inground"-variant



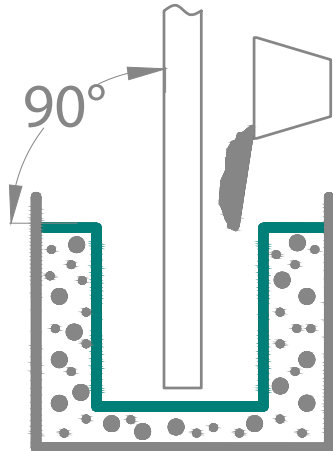
Step 1: Digging the pit

On the basis of the foundation plan, the pits will be defined and digged.



Step 2: Position post

The post is inserted into the pit and aligned using the playing level markings.



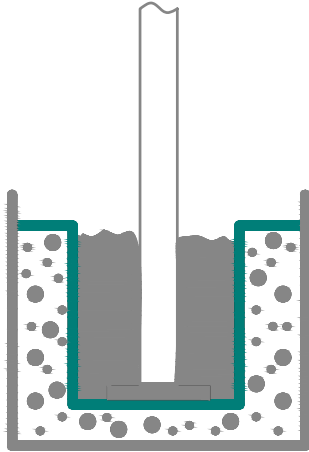
Step 3: Pour concrete with the minimum applicable concrete quality of C20/C25 (3,500 P.S.I.)

The concrete is now poured into the foundation pit.

Depending upon the soil properties, a framework may need to be built for the foundation.

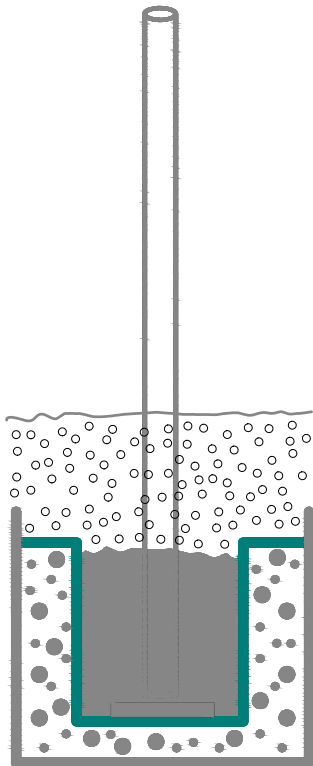
After filling in the concrete, this must be compressed so that it achieves the optimal bond and the foundation load could be absorbe.

Foundation construction - "Inground"-variant



Step 4: Mounting the foundation frame and pouring the concrete

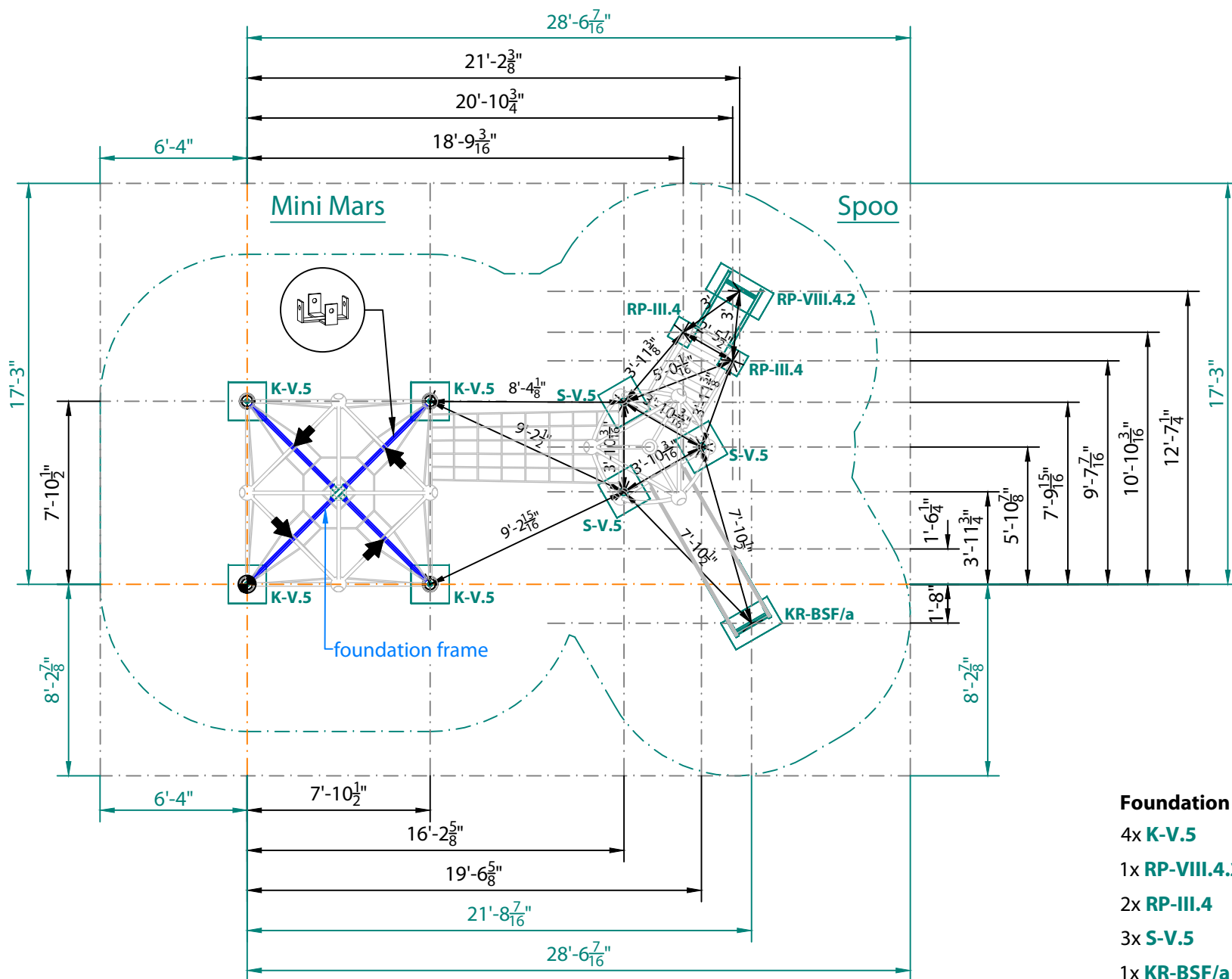
In order to ensure an optimal bond of the concrete with the foundation, the concrete should be kept moist.



Step 5: Allow posts to cure with concrete and restore play level

The play level must be restored after the concrete has cured.

Play level is marked on the post.



Key

- Dimensions
- Playing area zone
- Foundation
- System axes
- Axes Reference point
- Reference point

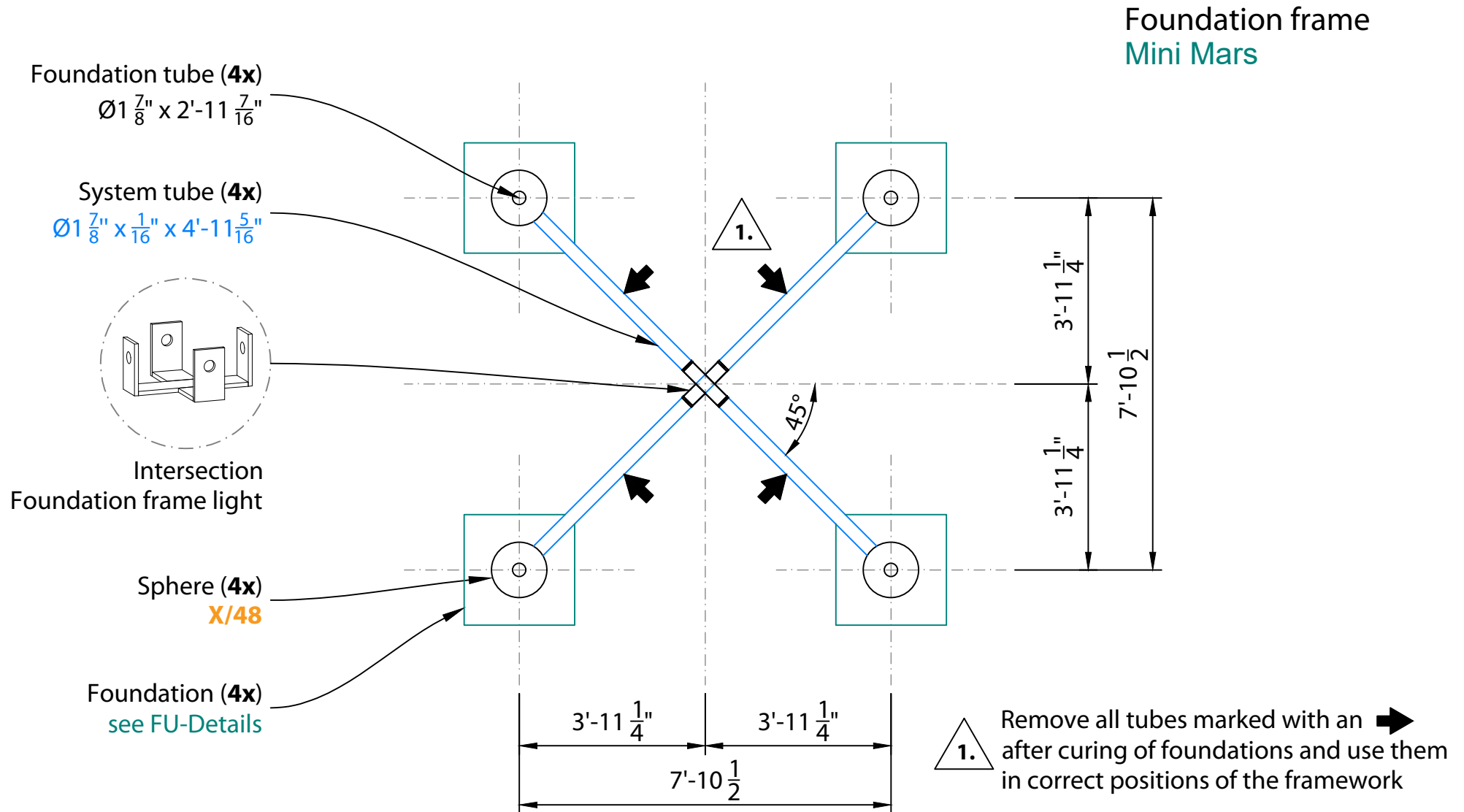


Information about the foundation frame see foundation details

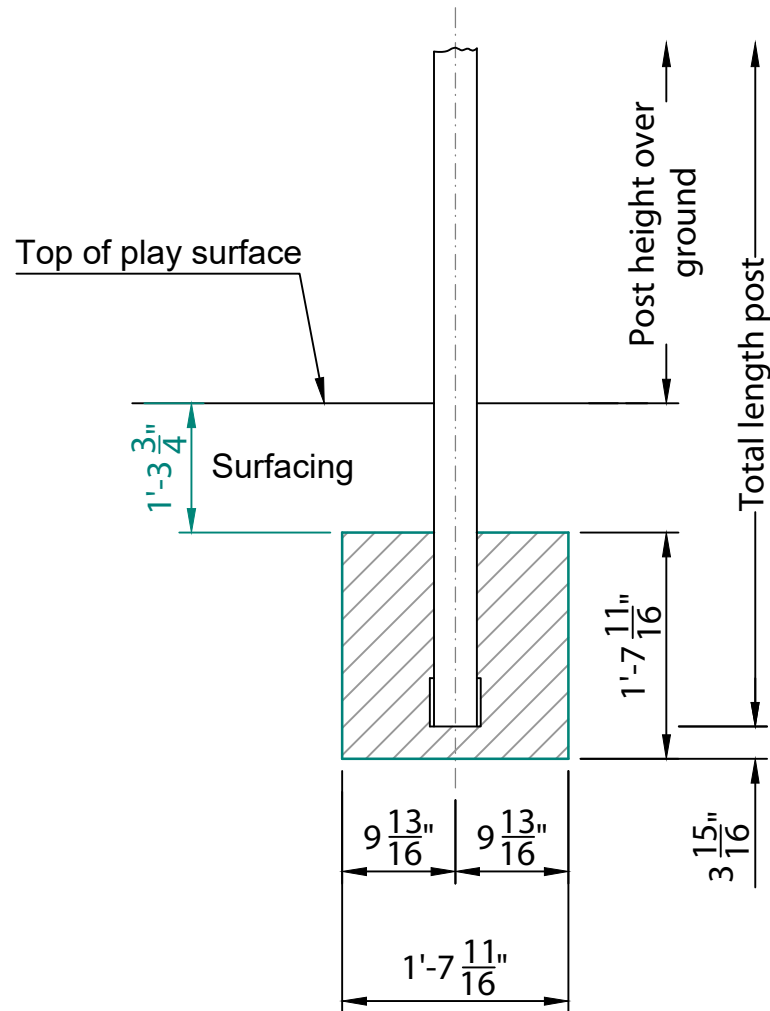
To guarantee system dimensions, install the entire Spooky Rookie - system before casting foundations !

Foundation

4x K-V.5	1'-7 ¹¹ / ₁₆ " x 1'-7 ¹¹ / ₁₆ " x 1'-7 ¹¹ / ₁₆ "
1x RP-VIII.4.2	2'-7 ¹ / ₂ " x 1'-3 ³ / ₄ " x 2'-3 ⁹ / ₁₆ " x 7 ⁷ / ₈ "
2x RP-III.4	11 ¹³ / ₁₆ " x 11 ¹³ / ₁₆ " x 1'-3 ³ / ₄ "
3x S-V.5	1'-7 ¹¹ / ₁₆ " x 1'-7 ¹¹ / ₁₆ " x 1'-7 ¹¹ / ₁₆ "
1x KR-BSF/a	2'-3 ⁹ / ₁₆ " x 1'-7 ¹¹ / ₁₆ " x 7 ⁷ / ₈ "

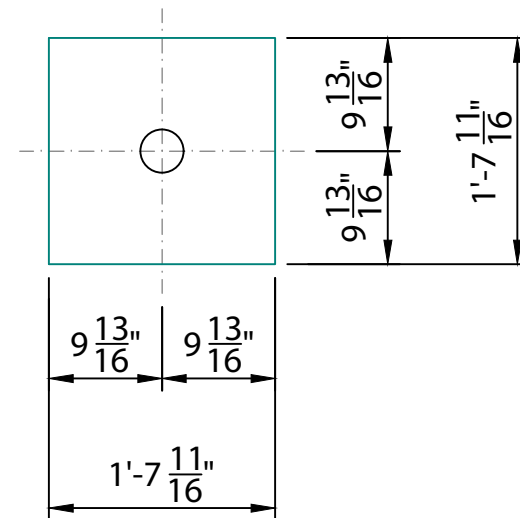


Foundation details

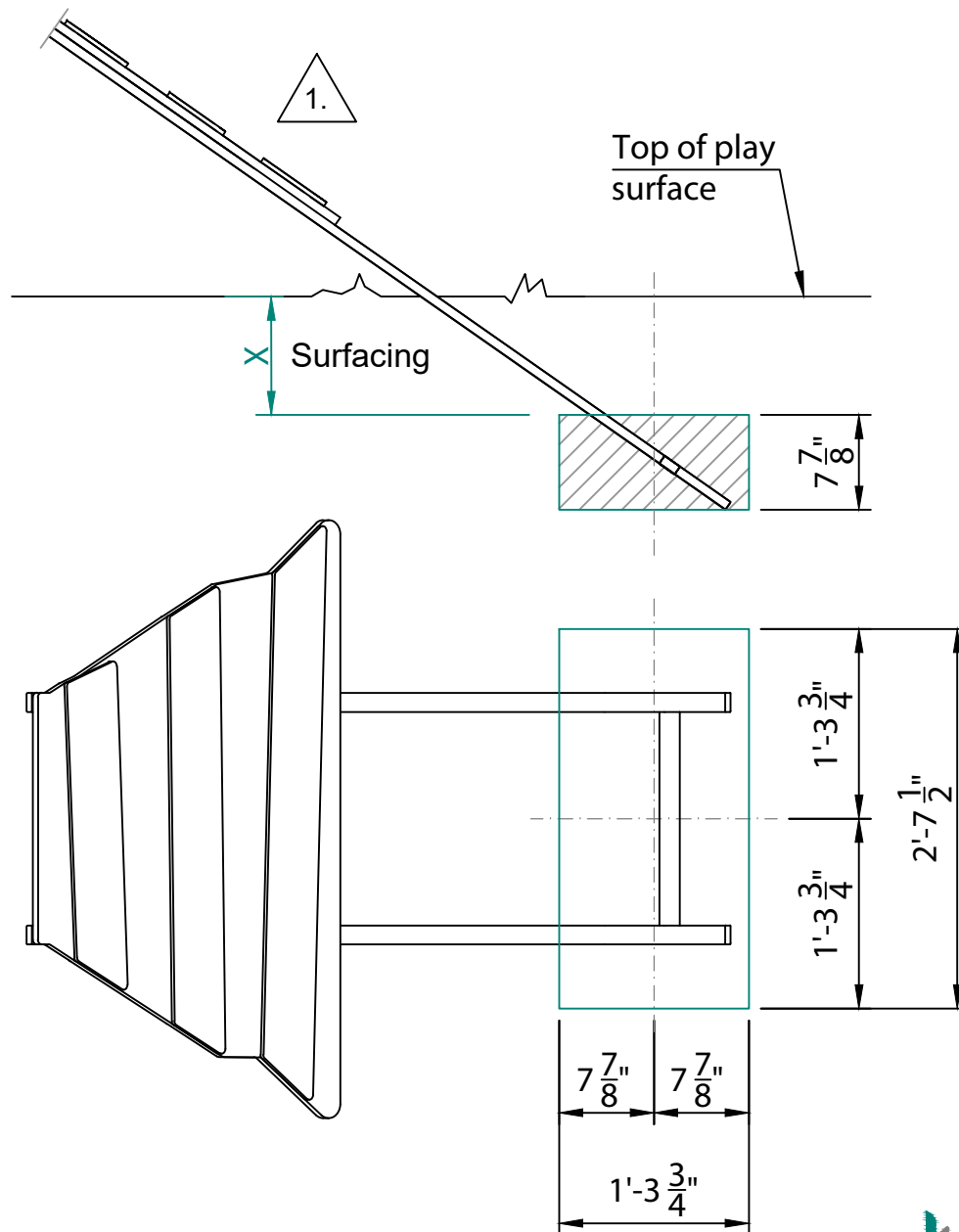


Foundation **S-V.5** $1'-7\frac{11}{16}" \times 1'-7\frac{11}{16}" \times 1'-7\frac{11}{16}"$

All concrete used must have
at least C20/25 (3500 P.S.I) strength!



Foundation details



Foundation **RP-VIII.4.2** $2'-7\frac{1}{2}" \times 1'-3\frac{3}{4}" \times 7\frac{7}{8}"$

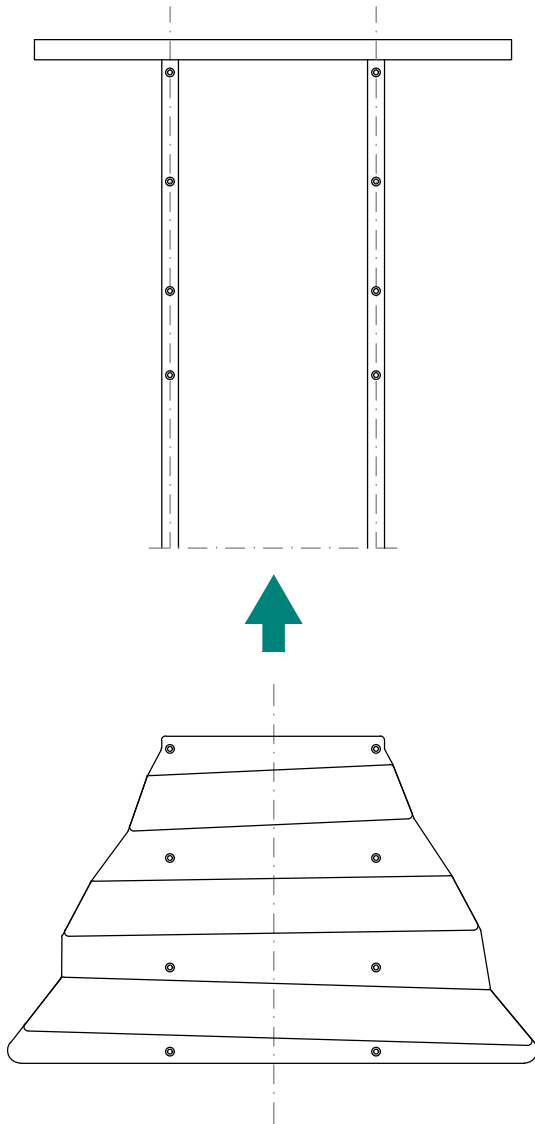
Surfacing dimension $X = 1'-3\frac{3}{4}"$

All concrete used must have at least C20/25 (3500 P.S.I.) strength!

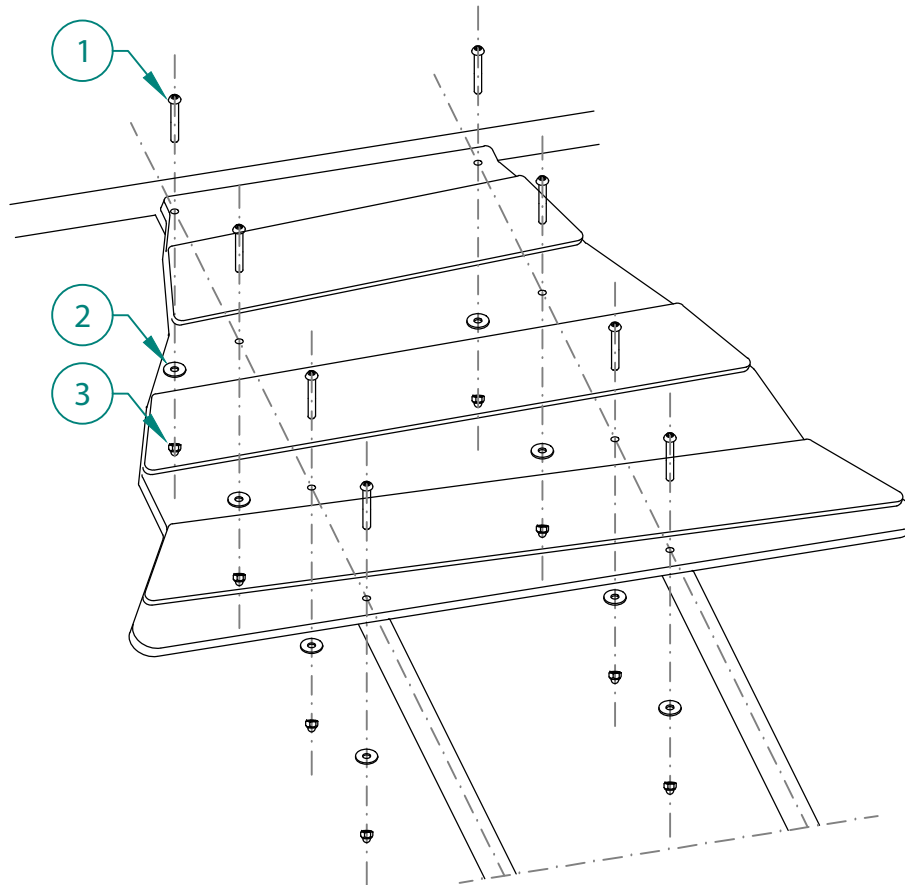
△ 1. Cast foundations after mounting the ramp !

Add-on units

Top view - Substructure / Ramp panel



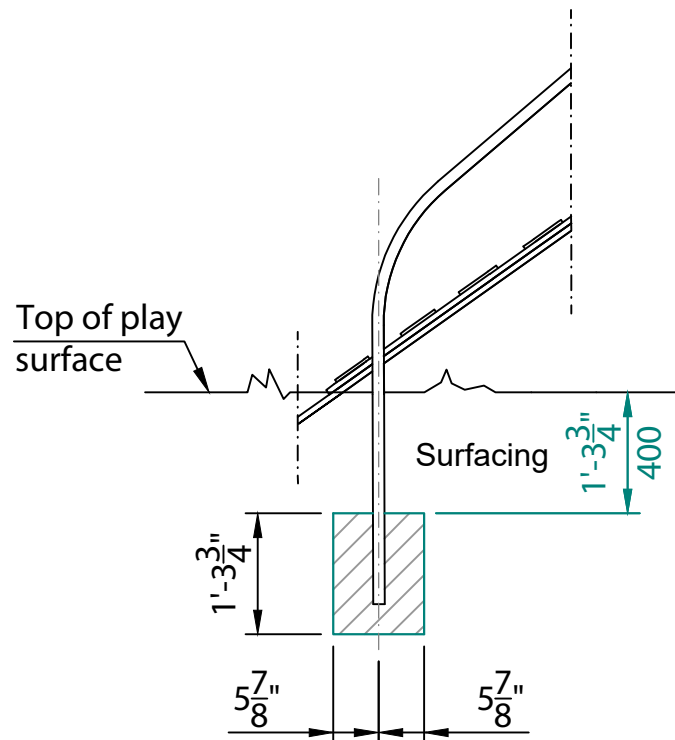
ROO_SPOO_RAMP 450MM



Ramp connection:

- ① Safety screw
M10x45 ISO7380
- ② Washer f. M10 DIN125
- ③ Acorn nut M10 DIN986

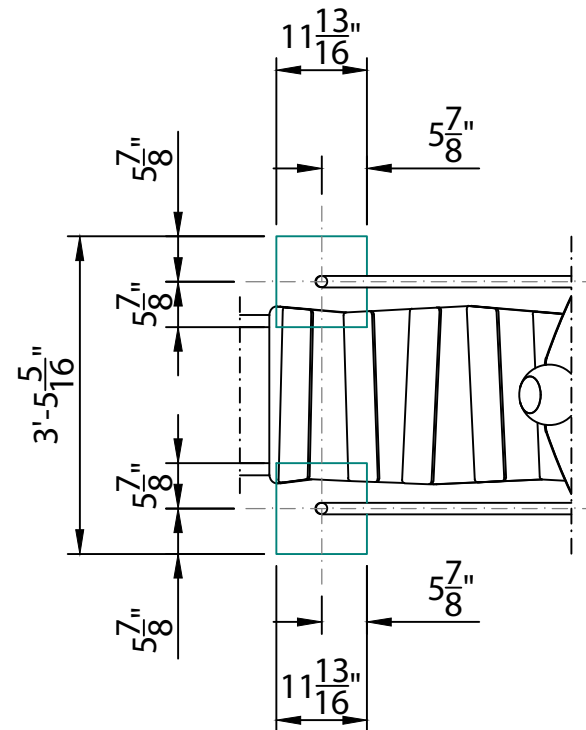
Foundation details



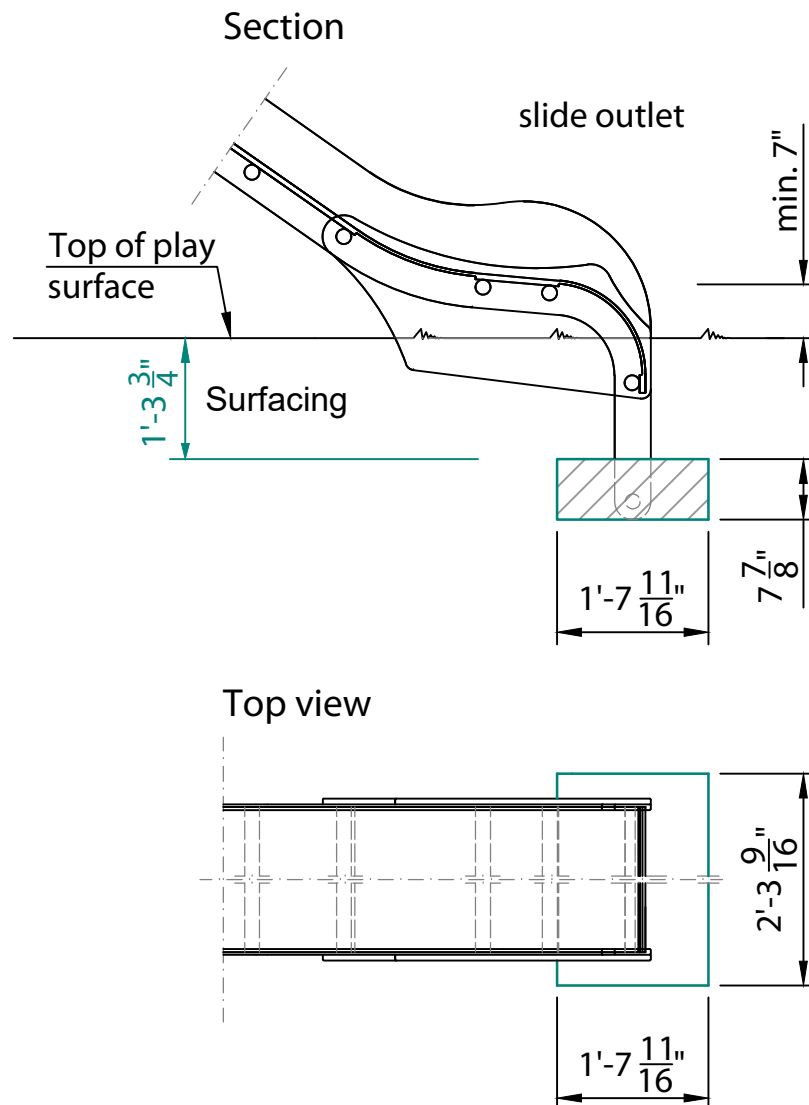
Foundation **RP-III.4** $0'-11\frac{13}{16}"$ x $0'-11\frac{13}{16}"$ x $1'-3\frac{3}{4}"$

All concrete used must have
at least C20/25 (3500 P.S.I) strength!

Cast foundations after mounting the ramp to the panel



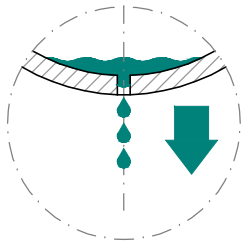
Foundation details



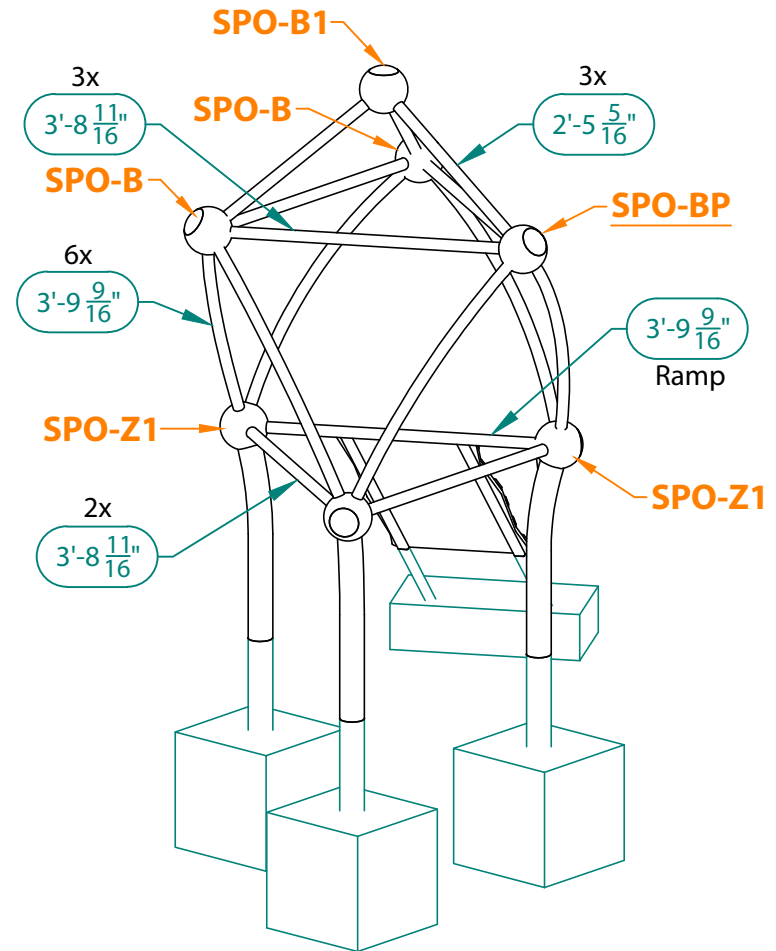
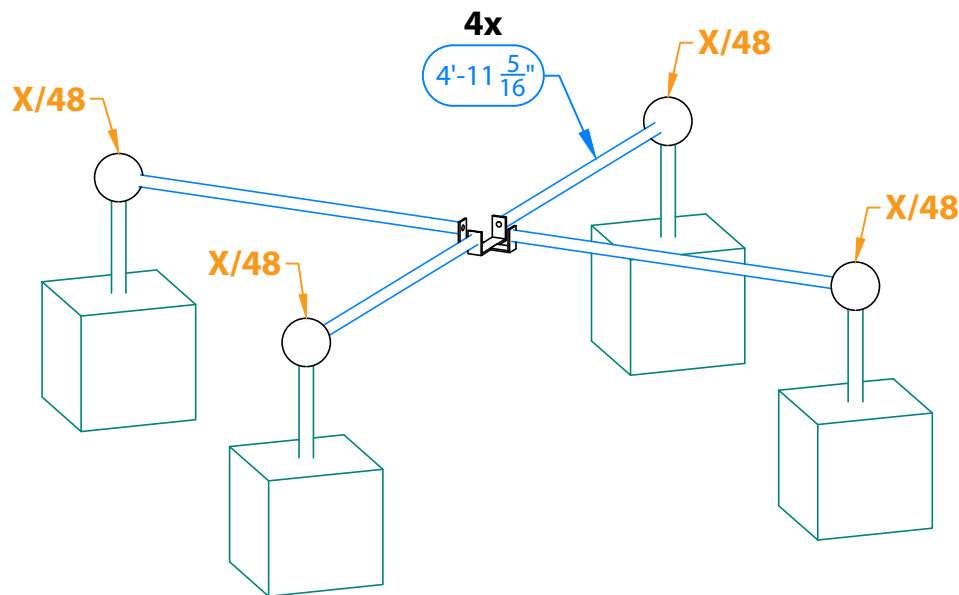
Foundation **KR-BSF/a** $2'-3\frac{9}{16}" \times 1'-7\frac{11}{16}" \times 7\frac{7}{8}"$

All concrete used must have
at least C20/25 (3500 P.S.I) strength!

Cast foundations after mounting the slide!!!



⚠
Always align the drain
holes of the spheres
downwards!

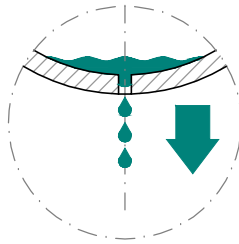


SPOO S

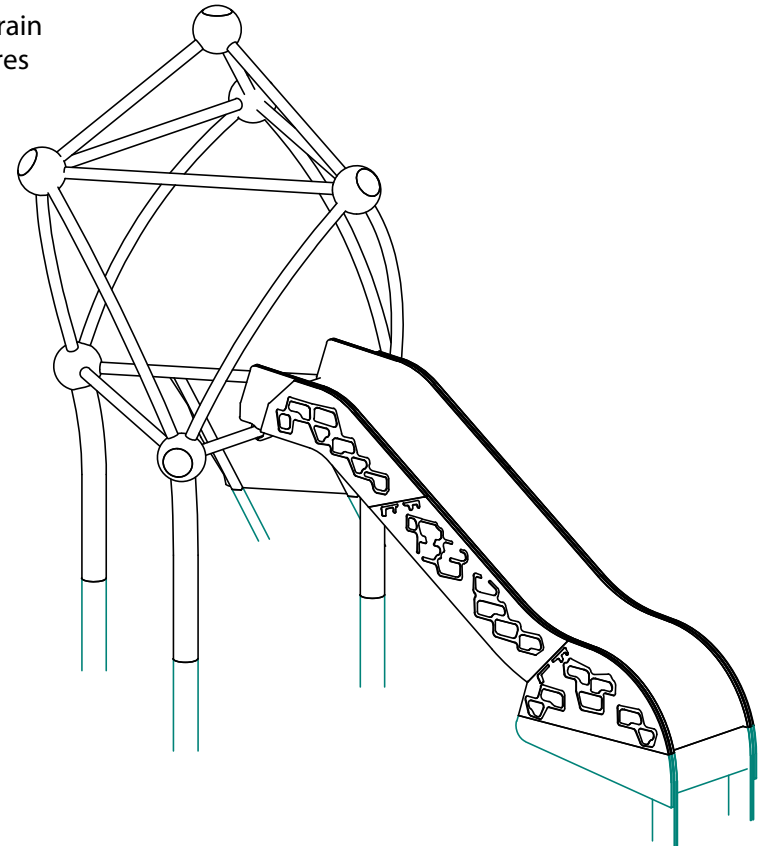
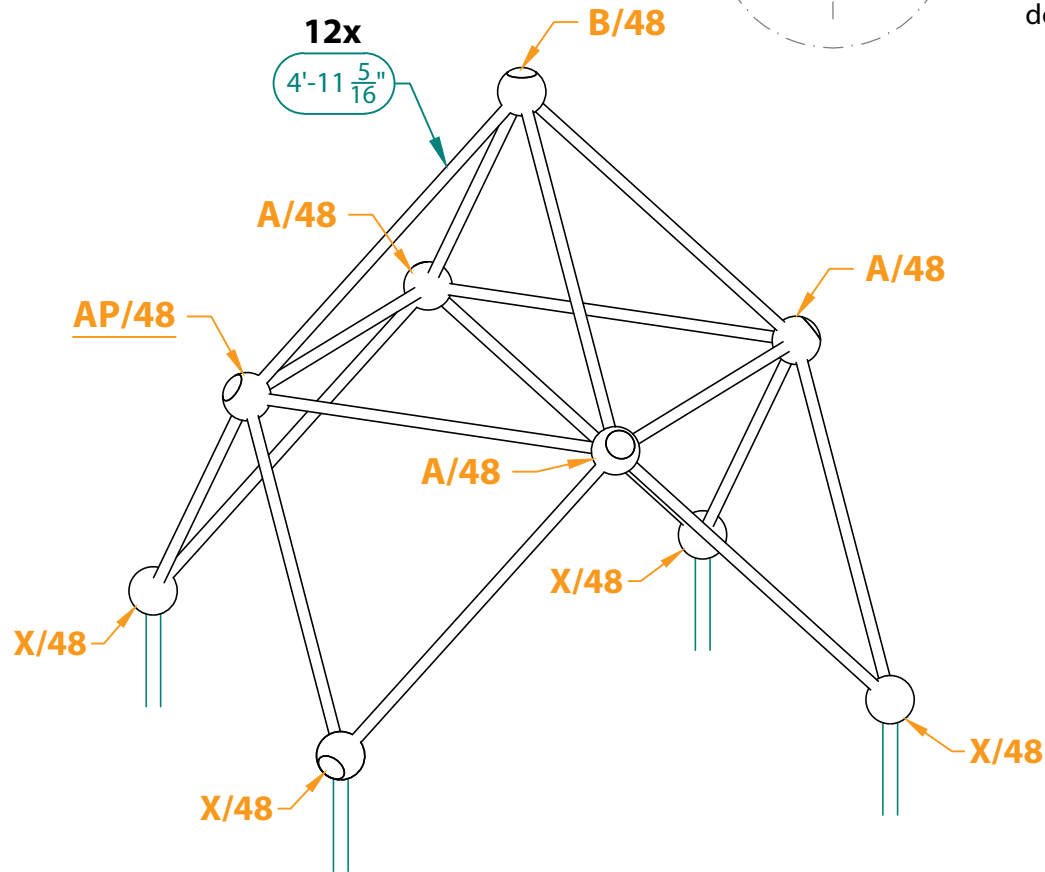
System tube $\varnothing 1 \frac{7}{8}$ " x $\frac{1}{8}$ " x L

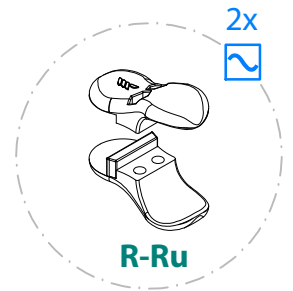
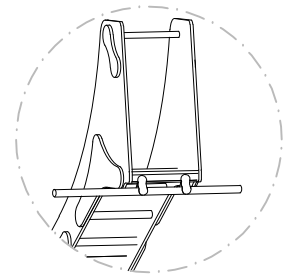
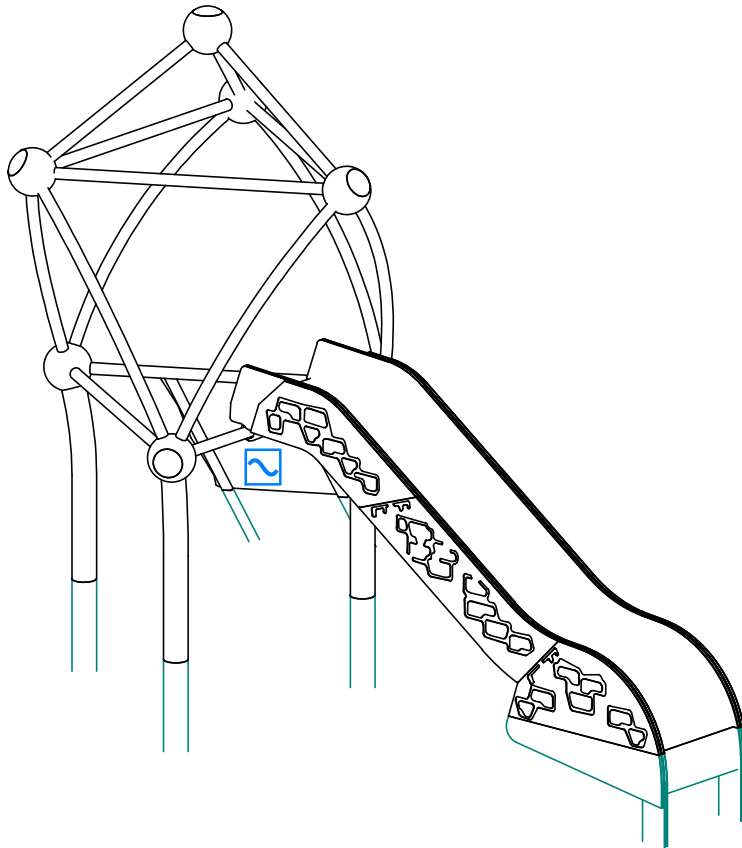
Mini Mars

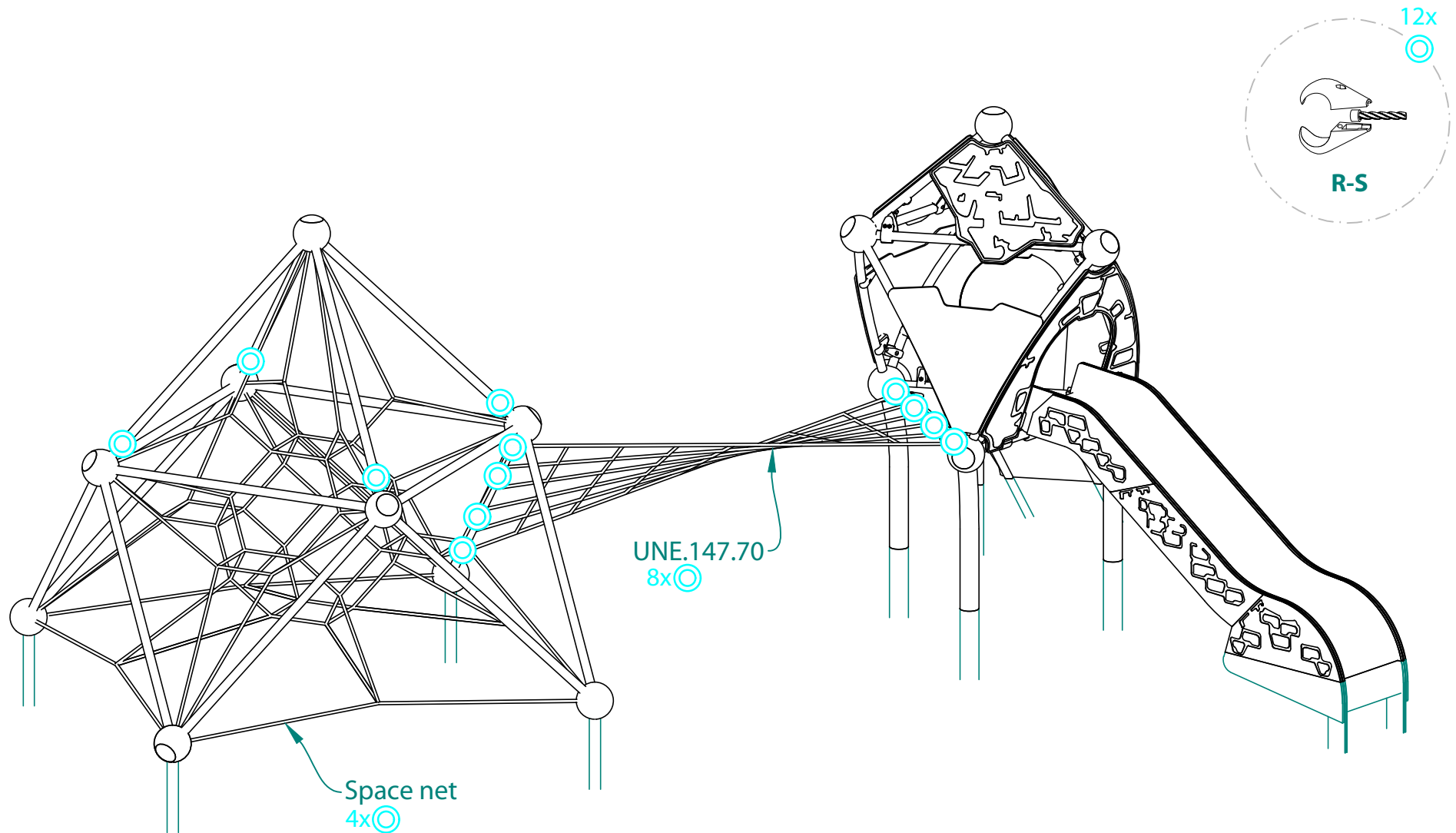
System tube $\varnothing 2\frac{3}{8}" \times \frac{1}{16}" \times L = 1' - "$



Always align the drain holes of the spheres downwards!







ATTENTION

Pay attention to labels
when installing net
components

Rope and net attachment

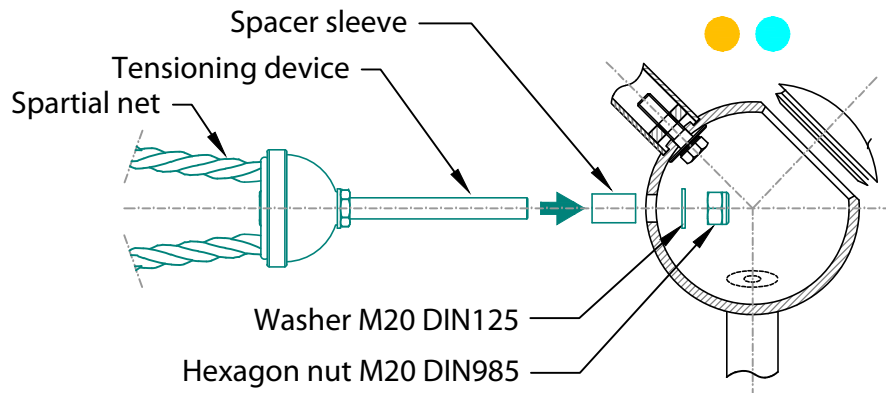
Order of spatial net **installation**:

1. Sphere ● Level 3
2. Sphere ● Level 1
3. Sphere ● Level 2

ATTENTION
Pay attention to labels
when installing net
components !

Put tensioning device (**pre-assembled**) in spare opening of sphere and fasten it inside with washer M20 and self-locking nut M20

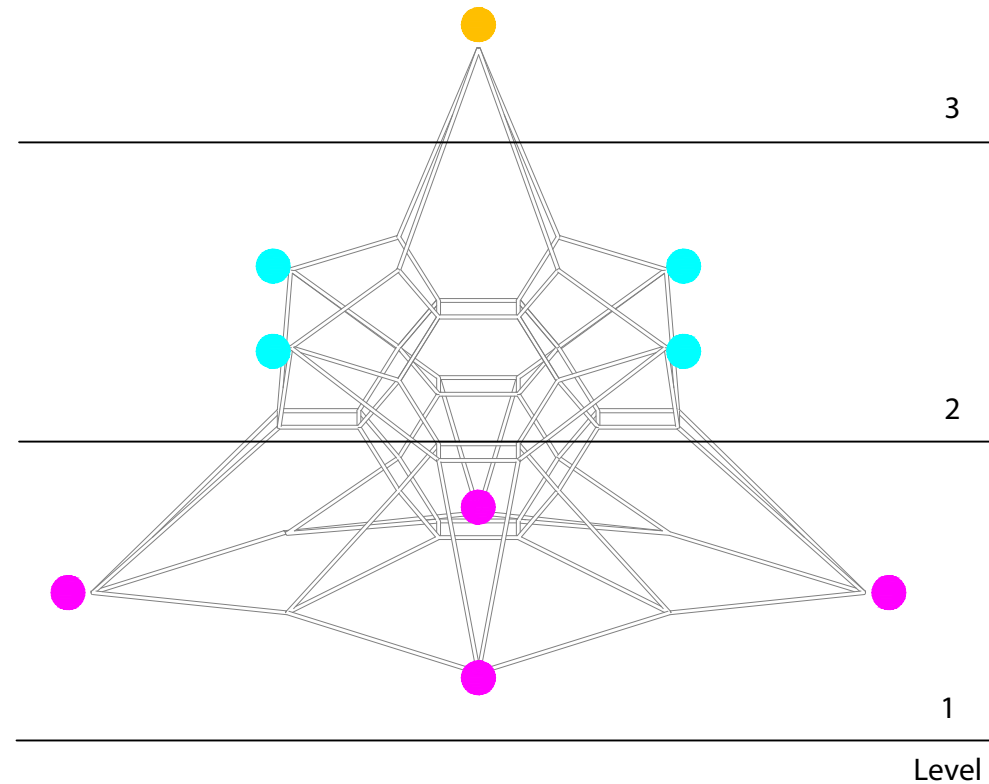
- **To be tightened at first by hand only !**
- **Do not move spatial net by pulling on cloverleaf-rings !**



Attach lower attachment points to eye bolts with shackles



Spatial net Mini Mars



Rope and net attachment

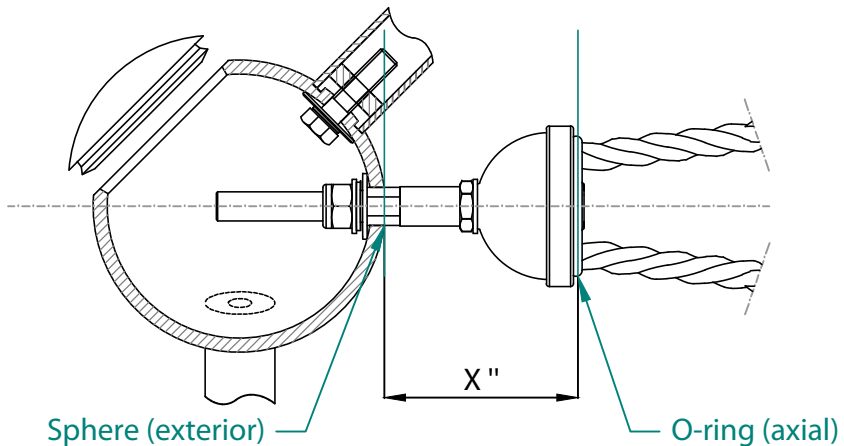
Order of spatial net **tensioning**:

1. Sphere ● Level 3
2. Sphere ● Level 2
3. Sphere ● Level 1 (Eye bolt + shackle)

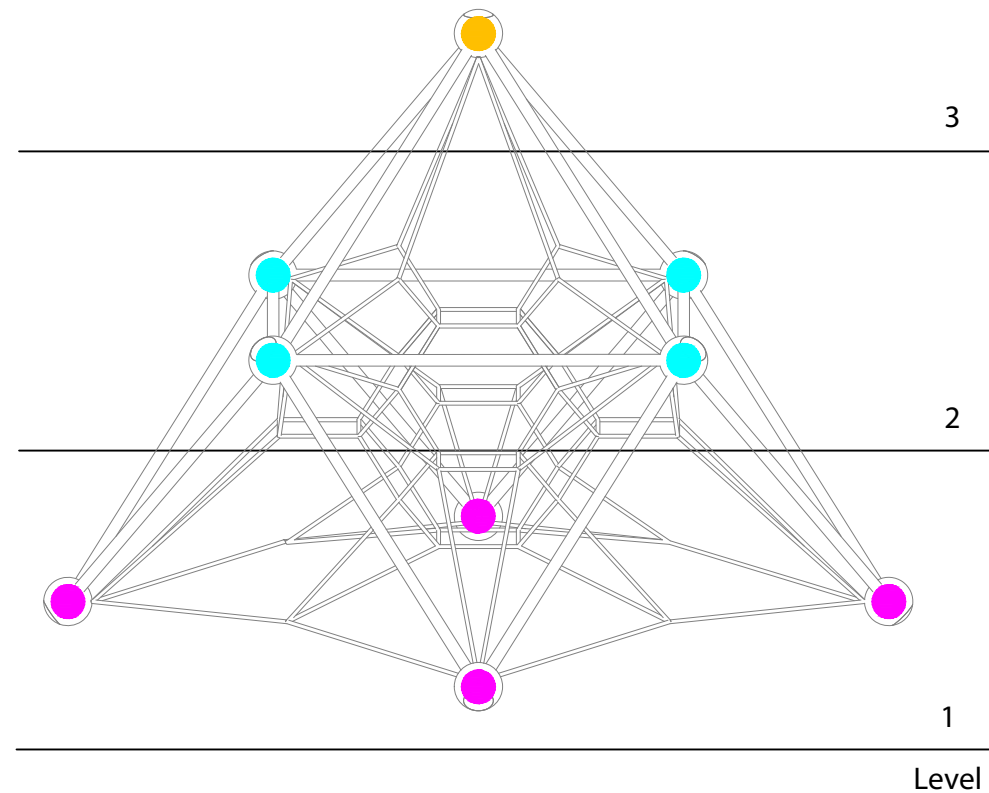
Tighten tensioning device in sphere gradually using a socket wrench SW 30 until distance between **sphere (exterior)** and **O-ring (axial)** is as per table

Univers Model	Sphere	
	B/48 ●	A(AP)/48 ●
Mini Mars	5,51"	5,51"

- **Ensure even tension of spatial net !**

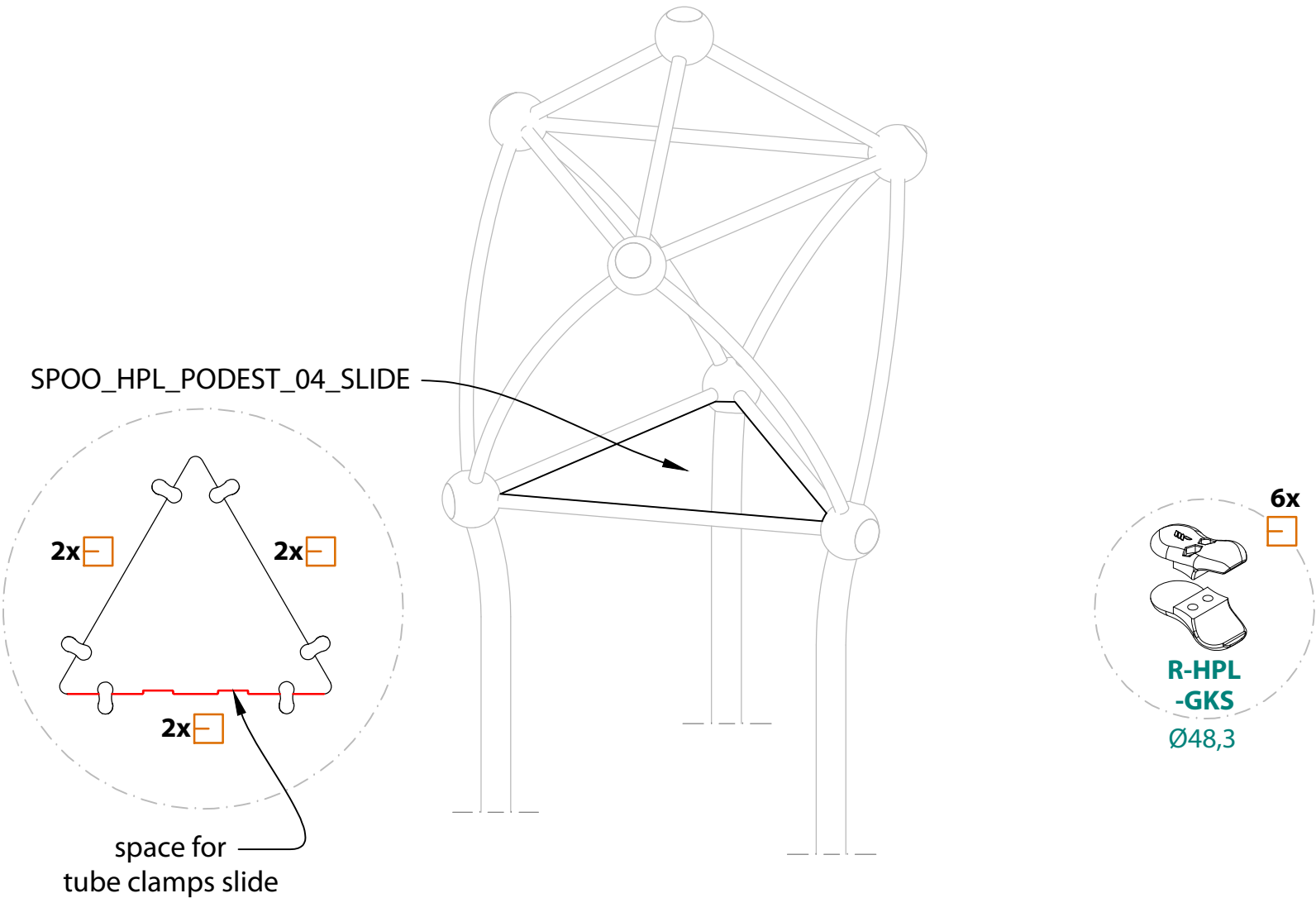


Spatial net Mini Mars

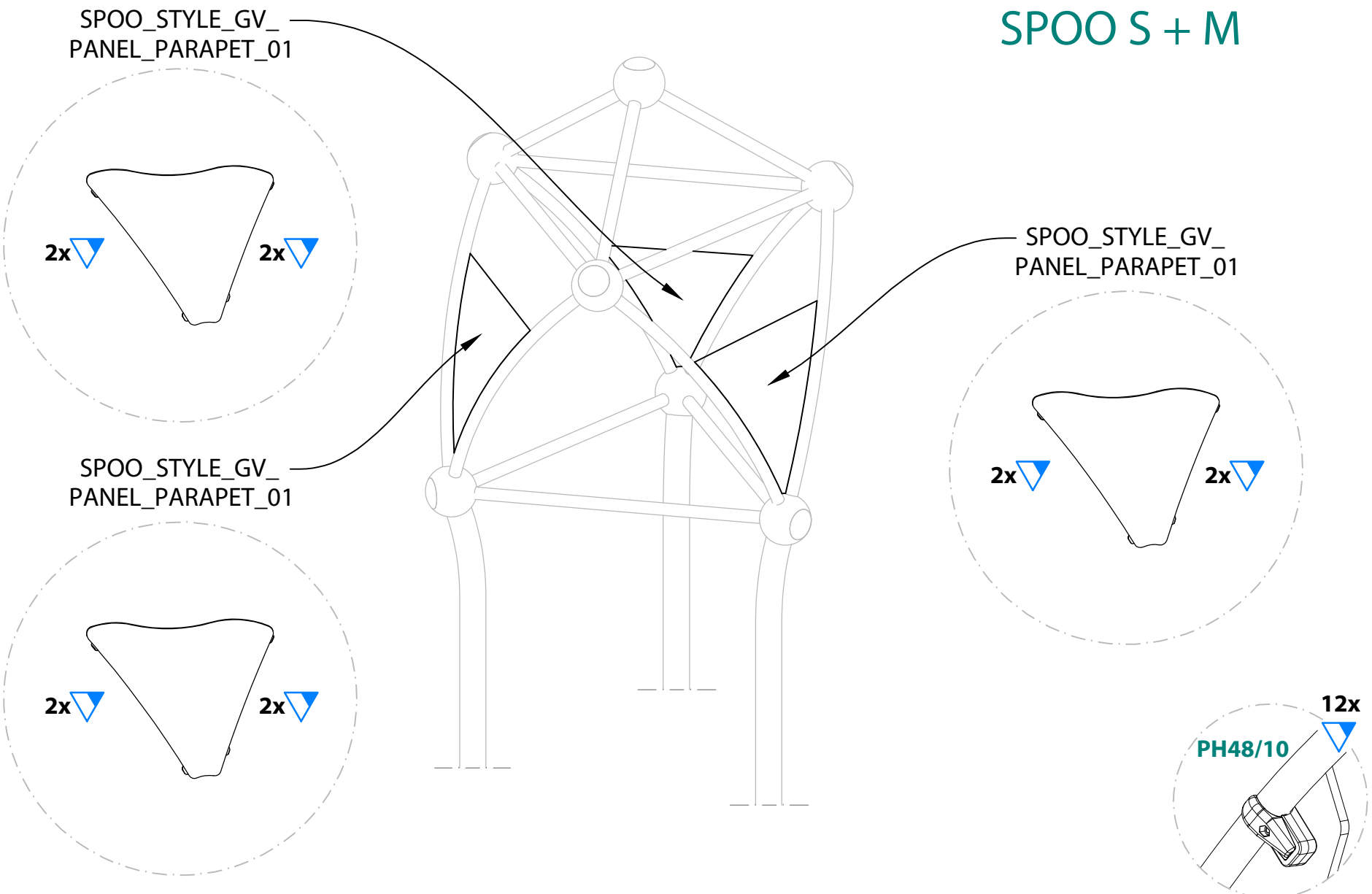


Panel attachment

SPOO S + M



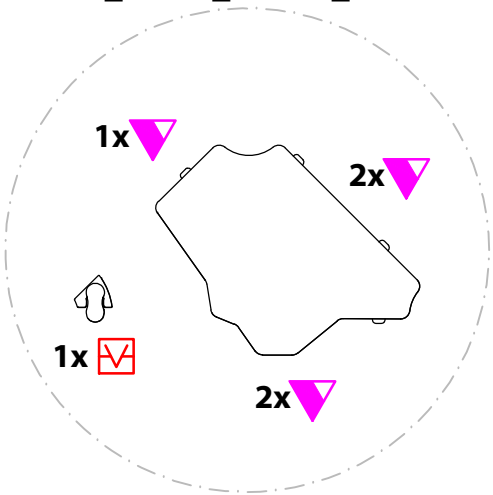
Panel attachment



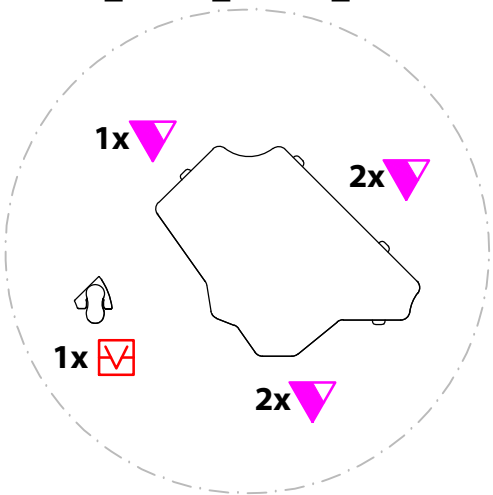
SPOO S + M

Panel attachment

SPOO_STYLE_BLANK_PANEL_ROOF_01
+
SPOO_STYLE_BLANK_CORNER

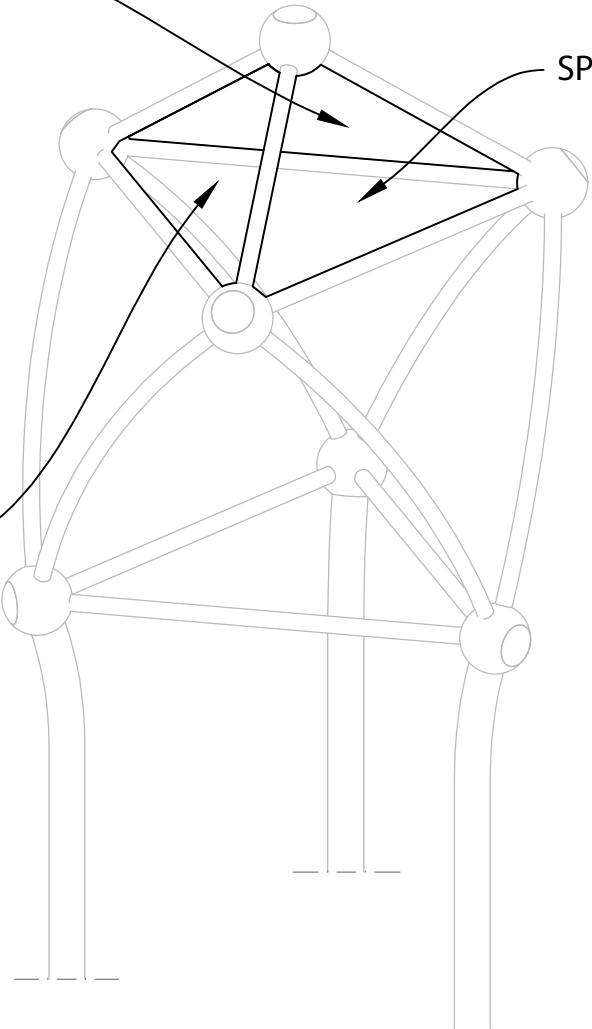
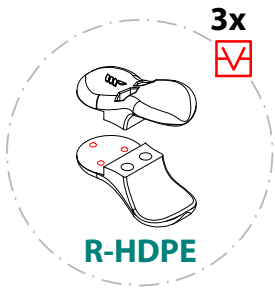
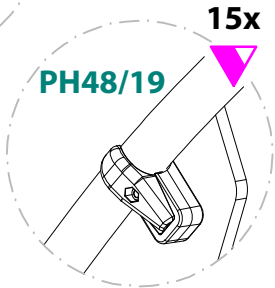
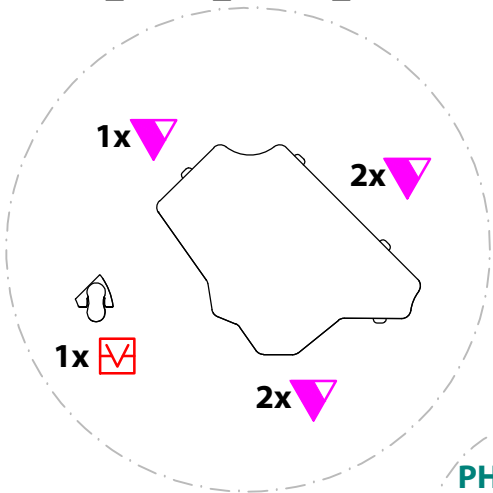


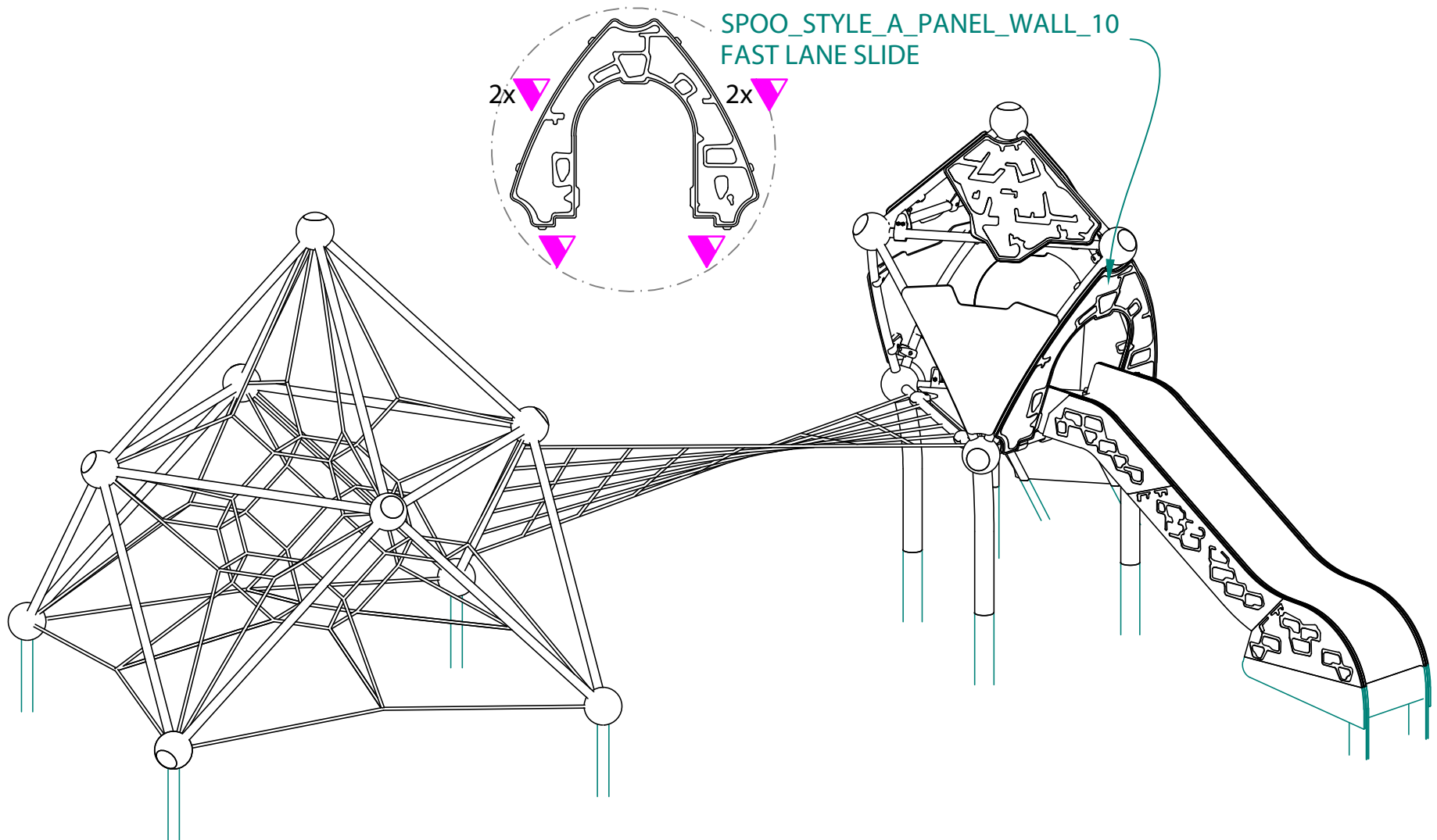
SPOO_STYLE_BLANK_PANEL_ROOF_01
+
SPOO_STYLE_BLANK_CORNER

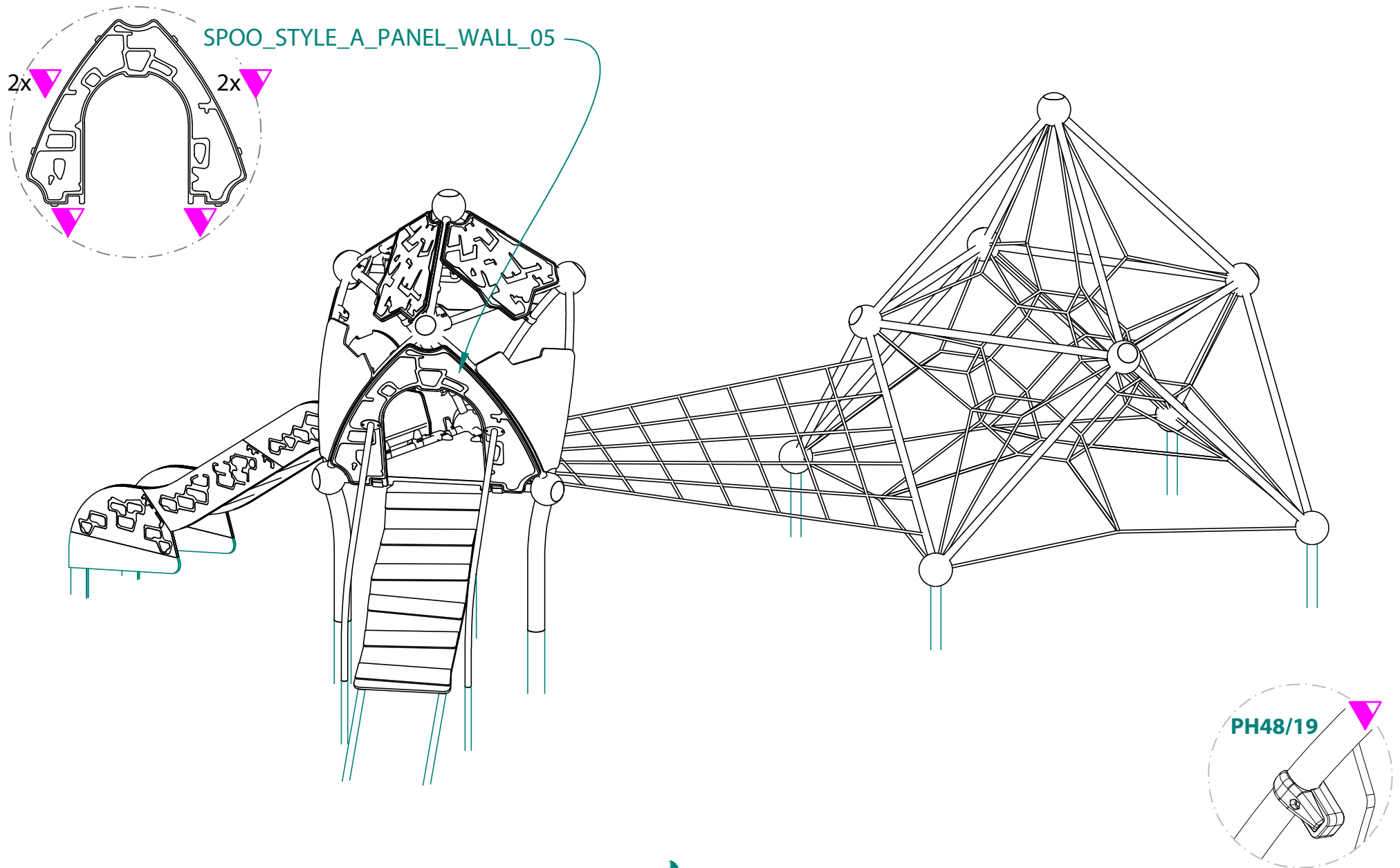


SPOO S + M

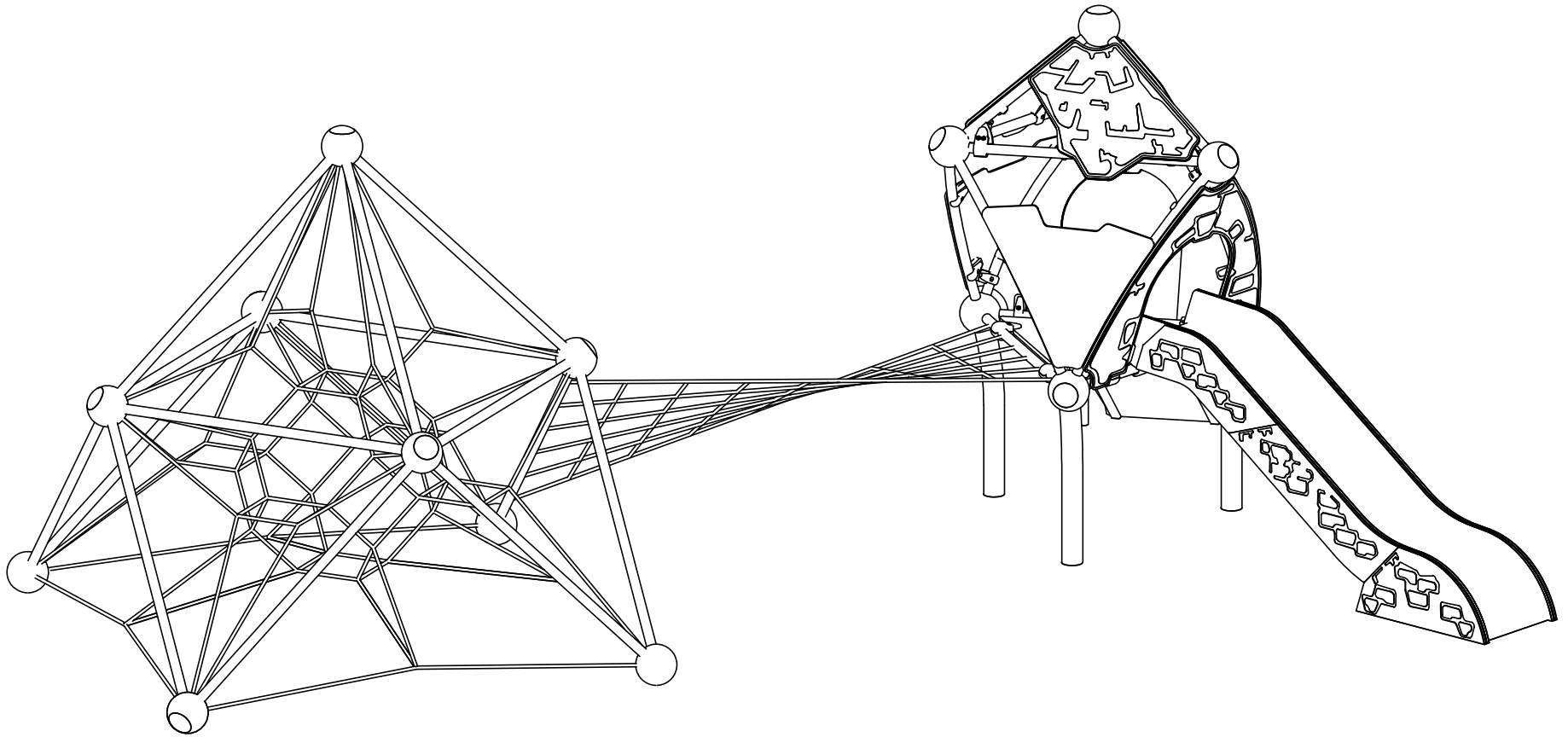
SPOO_STYLE_BLANK_PANEL_ROOF_01
+
SPOO_STYLE_BLANK_CORNER



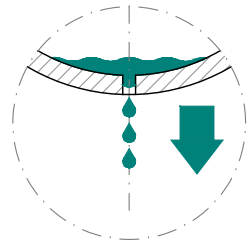
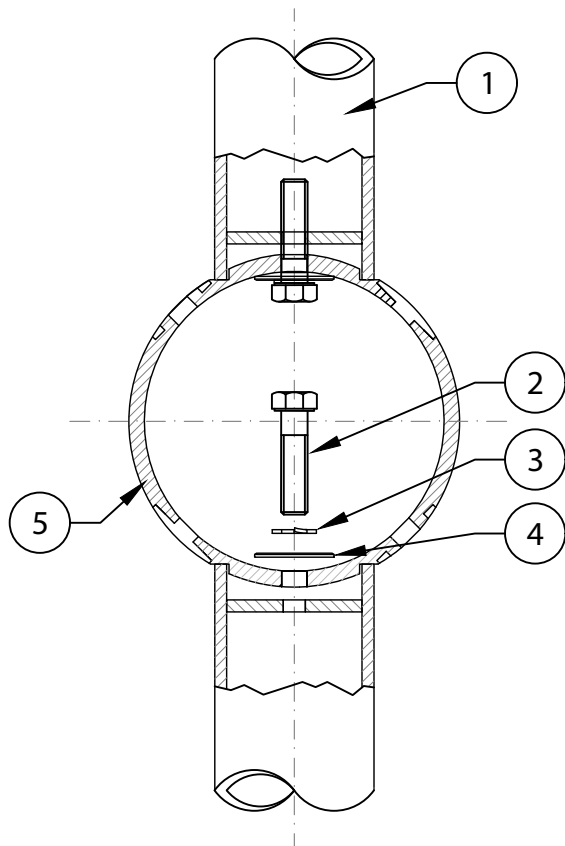




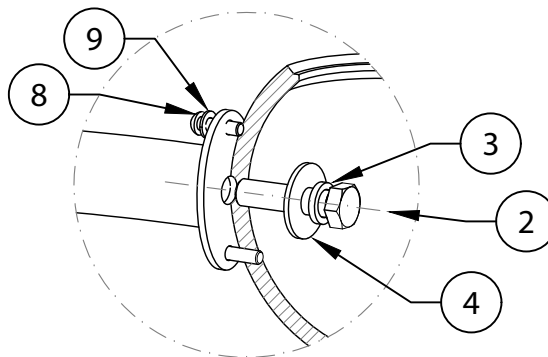
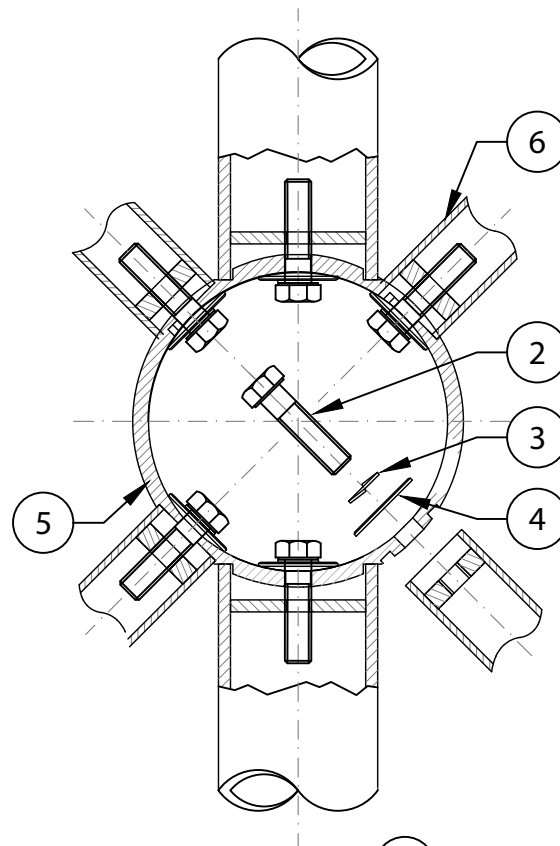
Panel attachment



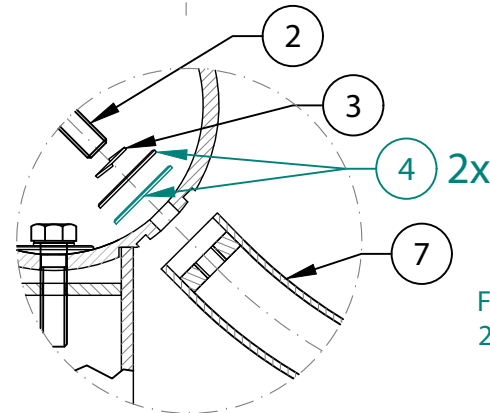
Assembly instruction details



!
 Orientate
 drain holes
 always downwards !



Connection with
 adapter plate for
 anti-twist protection

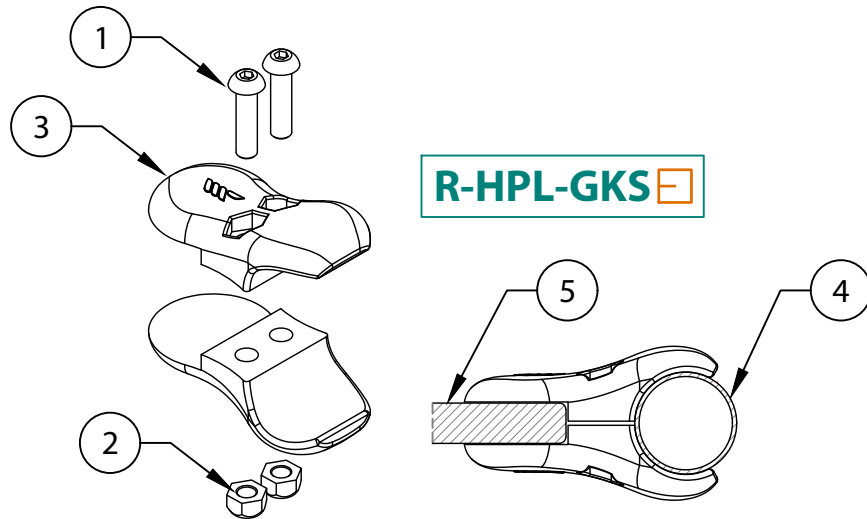


For system tubes curved
 2x washer

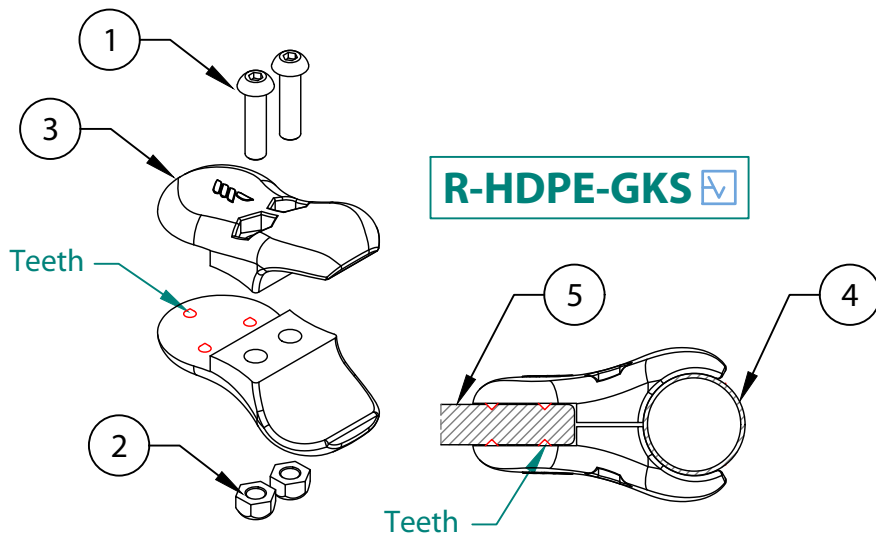
Screw connection sphere:

- ① Post / Tube
Ø5 $\frac{1}{4}$ "
Ø4"
- ② Hexagon head screw
M20x80 DIN933
- ③ Spring washer M20
DIN127
- ④ Washer M20 DIN9021
- ⑤ Sphere
- ⑥ System tubes straight
Ø1 $\frac{7}{8}$ "
- ⑦ System tubes curved
Ø1 $\frac{7}{8}$ "
- ⑧ Hexagon head screw
M16x80 DIN933
- ⑨ Spring washer M16
DIN127
- ⑩ Washer M16 DIN9021
- ⑪ Lens head screw
M10x30 ISO7380
- ⑫ Schnorr washer M10

Assembly instruction details



R-HPL-GKS 

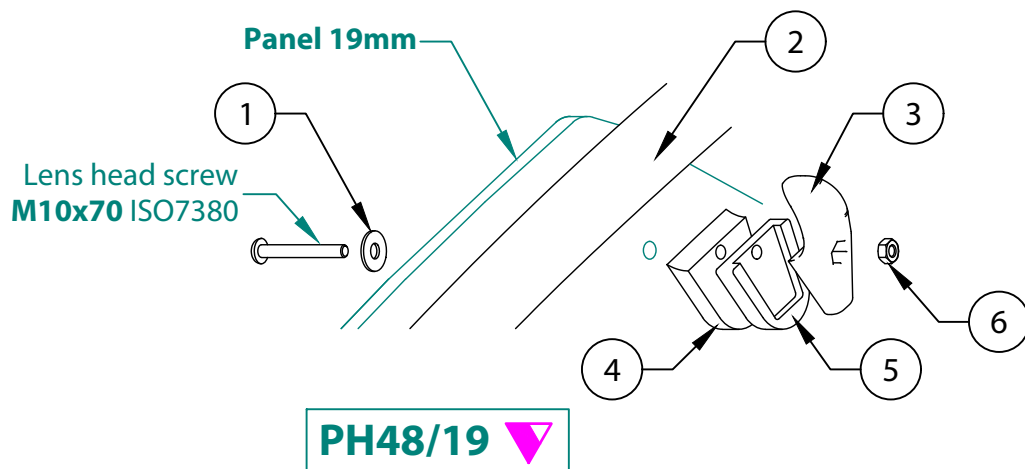
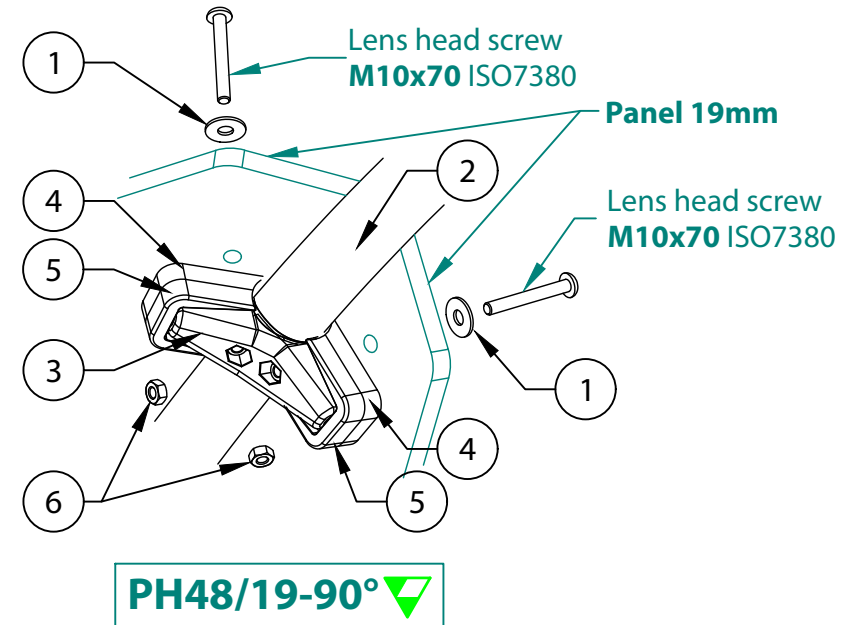
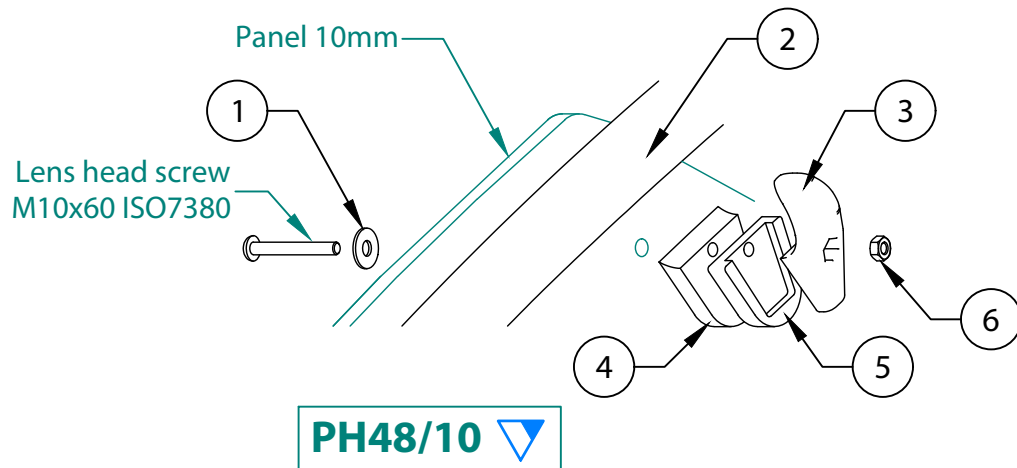


R-HDPE-GKS 

Tube clamps GKS - plate:

- 1 Safety screw
M10x40 ISO7380
- 2 Hexagon nut M10
DIN985
- 3 Tube clamp GKS 4
- 4 Tube
- 5 Plate / Panel

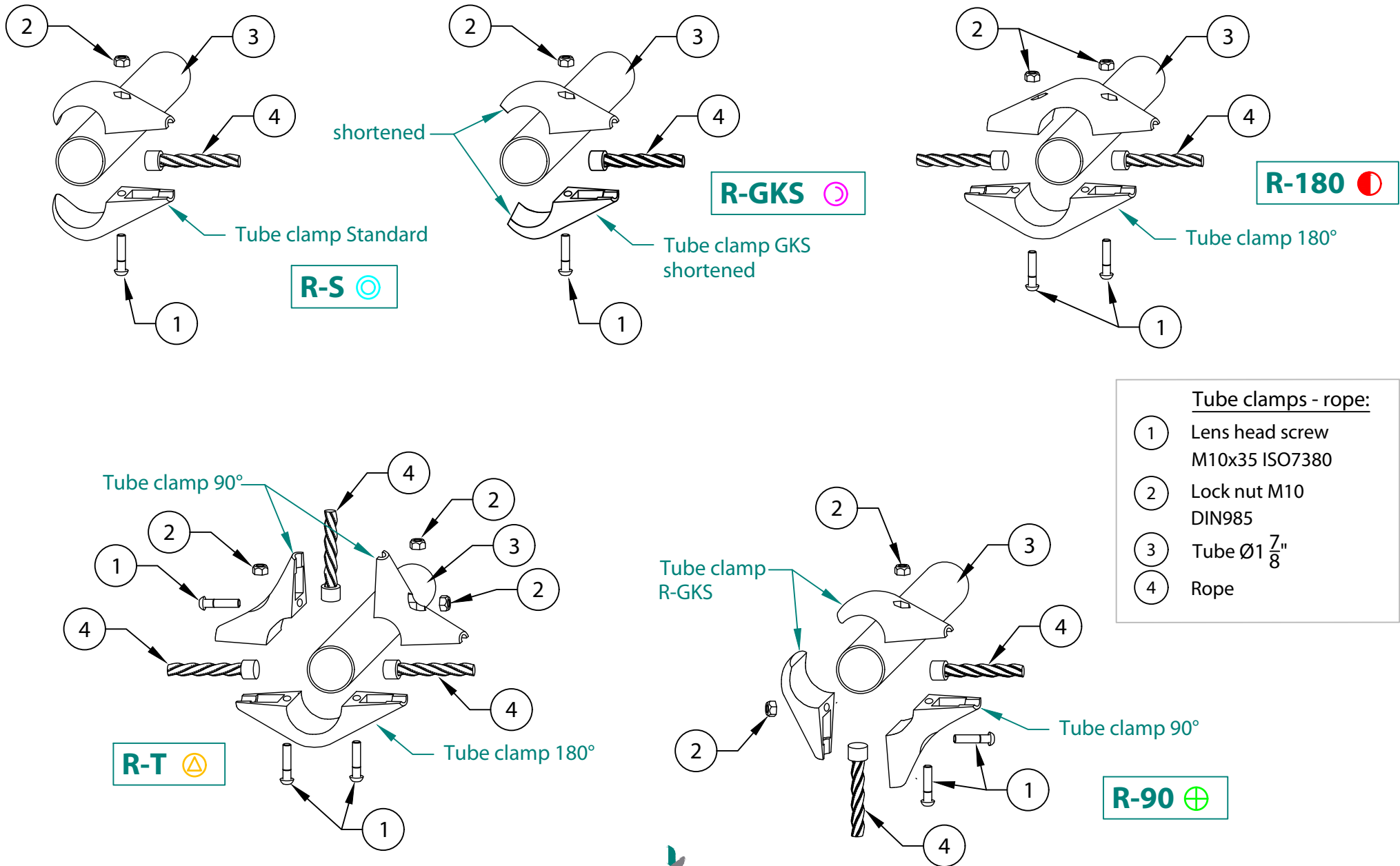
Assembly instruction details



Panel mounting:

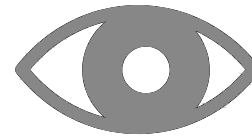
- ① Washer M10 DIN9021
- ② Tube Ø1 $\frac{7}{8}$ "
- ③ Tube clamp
- ④ Spacer 1 'Paw' Ø1 $\frac{7}{8}$ "
- ⑤ Spacer 2 'Paw' Ø1 $\frac{7}{8}$ "
- ⑥ Hexagon nut M10 DIN985

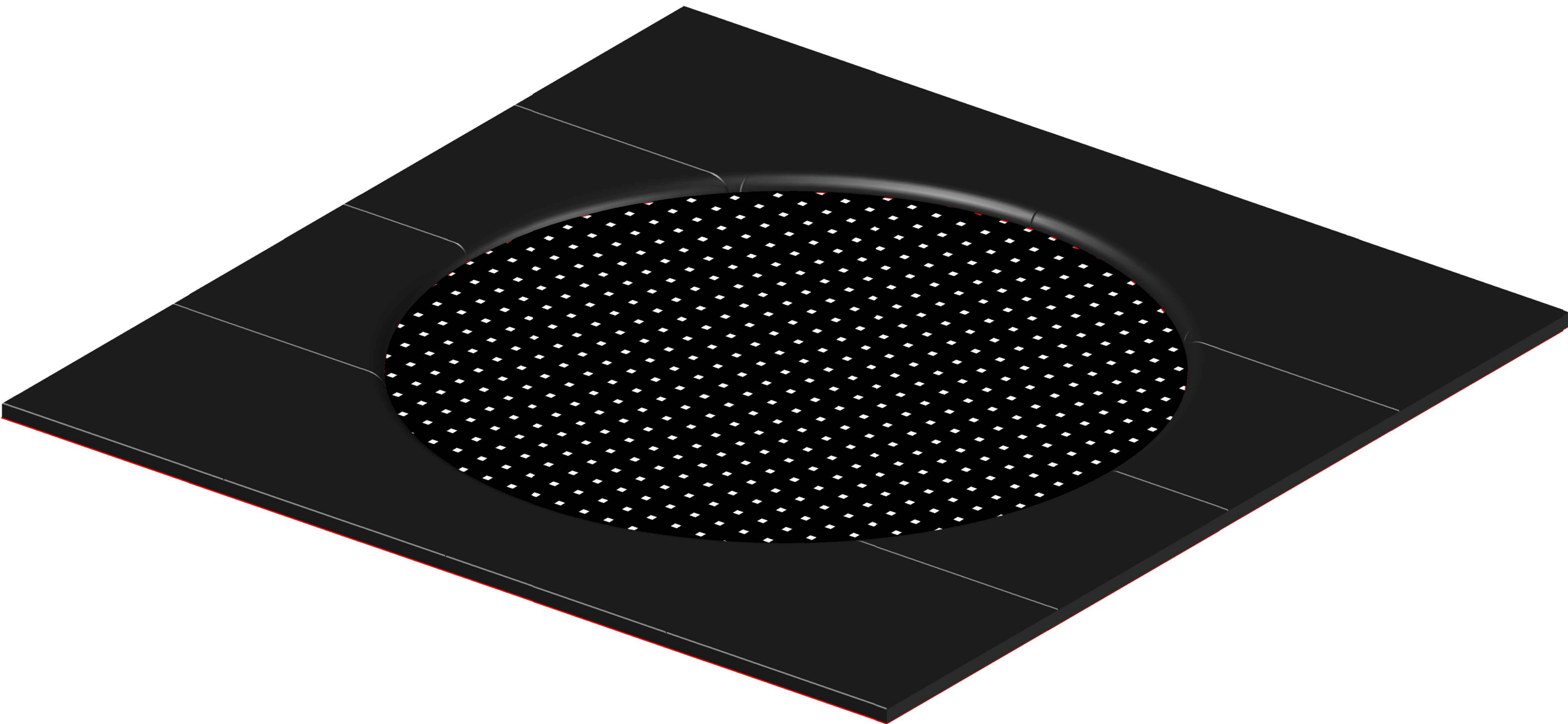
Assembly instruction details

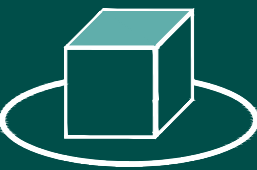


Final Works

- 1- Make sure that all screwings and all guide bushes are in place and restore the ground under and around the play unit.
- 2- Close the assembly openings of spheres with rubber caps at the end of assembling.
- 3- Use a hammer to tap in the rubber caps into the assembly openings.
- 4- Depending on the play frequency you have to tension the rope and/or net elements again after 1 - 2 weeks!

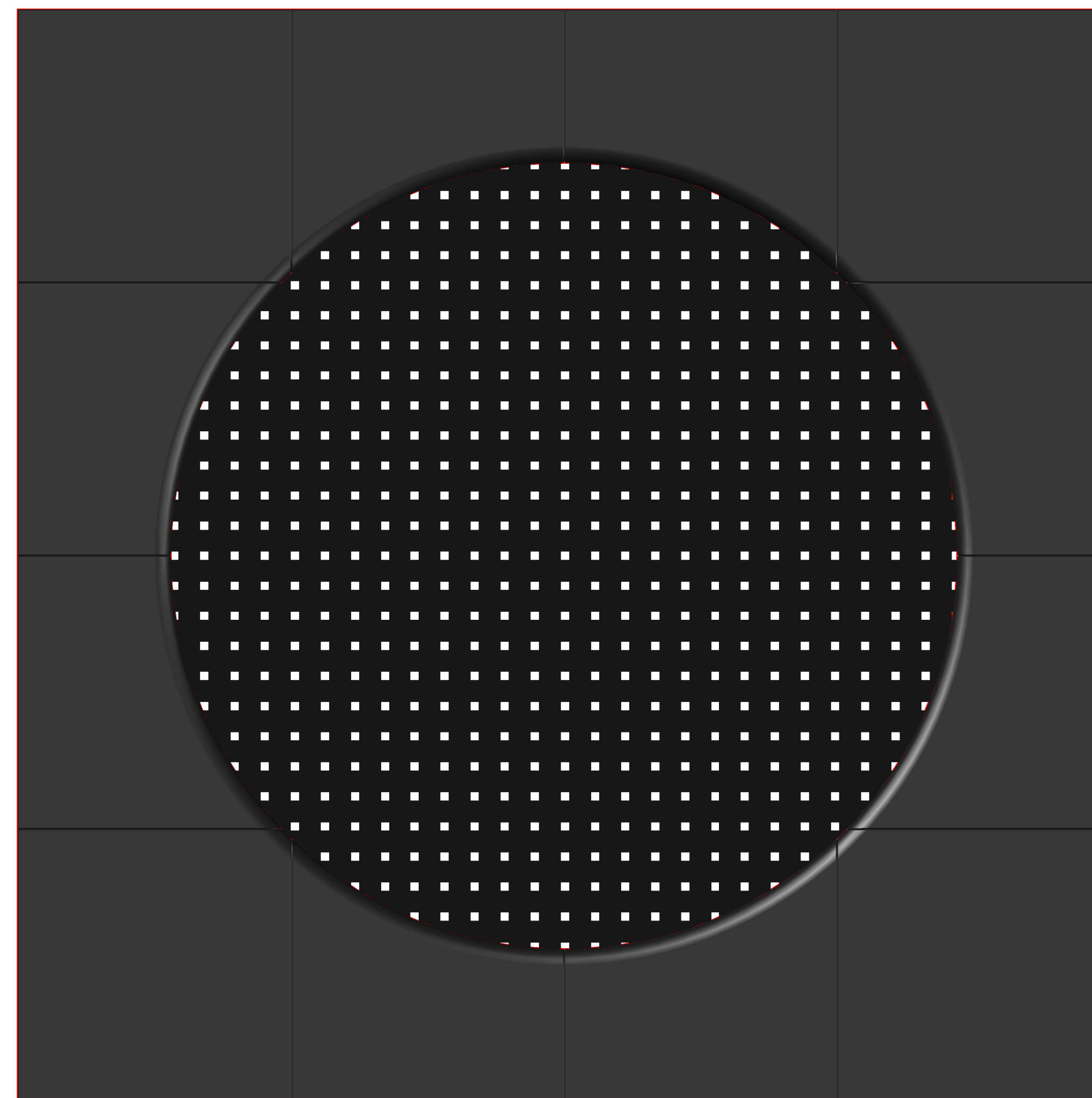




	ASTM/CSA
	HodgePodge Kids Bounce.04 LoopXL
	US.90.660.012.410.8000
	('-') 6'-5" x 6'-5" x 0'-0"
	ASTM (sq.ft) 220
	('-') 0'-0"
	ASTM (') 52'-6"
	01.15.2019
	→
	B.CHAFF
	ANSI B 11" x 17"
	— / —



4'-8 $\frac{1}{2}$ "



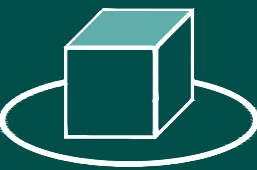
4'-8 $\frac{1}{2}$ "

ASTM/CSA	
HodgePodge	Kids Bounce.04 LoopXL
No	US.90.660.012.410.8001
(-)	6'-5" x 6'-5" x 0'-0"
ASTM (sq.ft)	220
(-)	0'-0"
ASTM (-)	52'-6"
Anno	01.15.2019
→	-----

B.CHAFF	
ANSI B	11" x 17"
1-1/2"	=1'-0"





ASTM/CSA

HodgePodge
Kids Bounce.04 LoopXL

No. US.90.660.012.410.8002

(-') 6'-5" x 6'-5" x 0'-0"

ASTM (sq.ft) 220

(-') 0'-0"

ASTM (-') 52'-6"

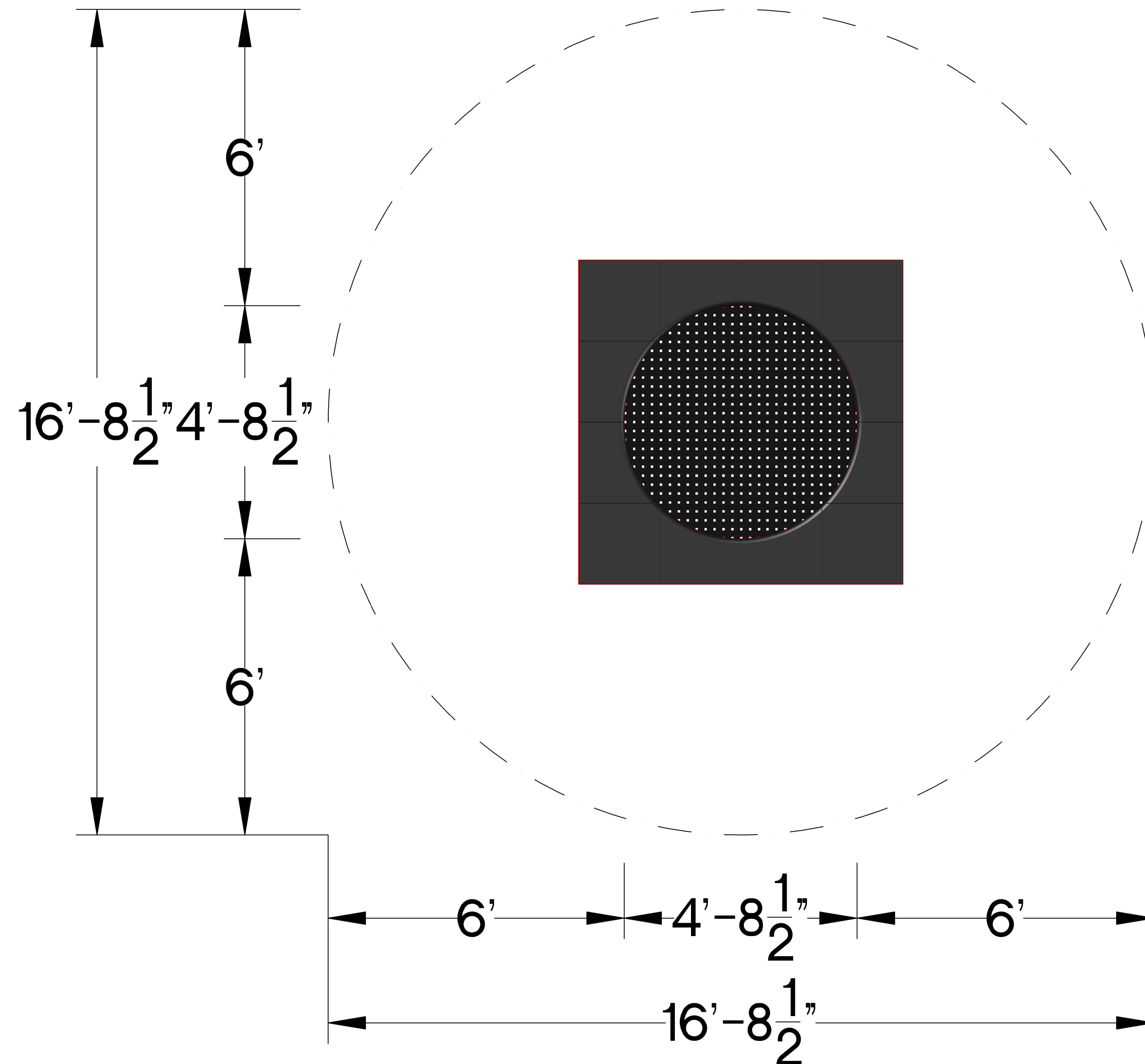
Anno 01.15.2019

-> _ _ _ _ _
_ _ _ _ _
_ _ _ _ _

B.CHAFF

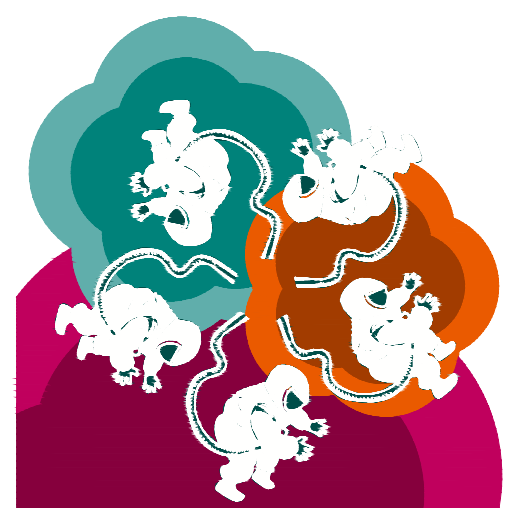
ANSI B
11" x 17"

1-1/2"=1'-0"



ASTM/CSA	
HodgePodge	Kids Bounce.04 LoopXL
No	US.90.660.012.410.8009
(-)	6'-5" x 6'-5" x 0'-0"
ASTM (sq.ft)	220
(-)	0'-0"
ASTM (-)	52'-6"
Anno	01.15.2019
→	-----

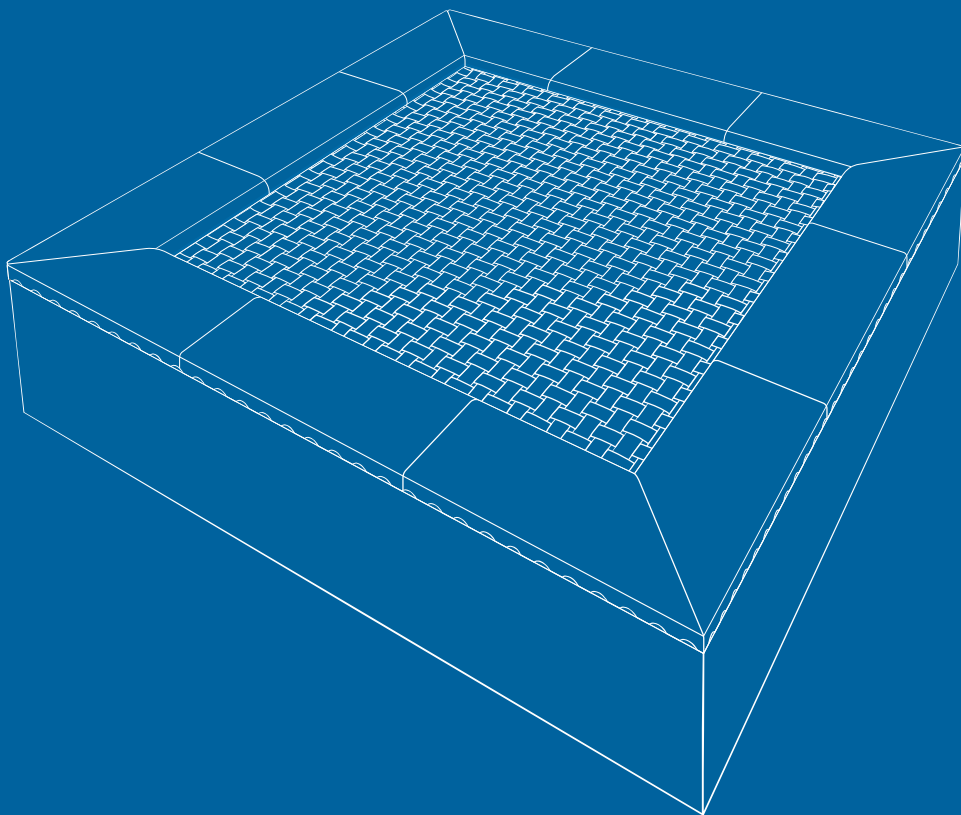
B.CHAFF	
ANSI B	11" x 17"
3/4"=1'-0"	



KIDSTRAMP

Produkt- und Serviceinformationen 

Product and service information 



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Produktpass | Product passport

Artikel details

- **Art. 97100** Kids Tramp „Kindergarten“ Einbaurahmen 150 x 150 cm und 30 cm hoch, Sprungtuch 107 x 107 cm aus PVC-beschichtetem Gittergewebe – gelb, 36 Stahlfedern
- **Art. 97000** Kids Tramp „Playground“ Einbaurahmen 150 x 150 cm und 30 cm hoch, Sprungtuch 107 x 107 cm aus drahtverstärktem Gurtgewebe – schwarz, 36 Stahlfedern
- **Art. 97000B** Kids Tramp „Playground“ Einbaurahmen 150 x 150 cm und 30 cm hoch, Sprungtuch 107 x 107 cm aus drahtverstärktem Gurtgewebe – schwarz, mit zusätzlicher Beschichtung, 36 Stahlfedern
- **Art. E97001** Fallschutzplattensystem Safe, mit abgerundeten Kanten, 30 mm stark mit 3 Klebekartuschen, Farbe: grau
- **Art. E97004** Fallschutzplattensystem Safe mit abgerundeten Kanten, 30 mm stark mit 3 Klebekartuschen, Farbe: rot
- **Art. 97510** Kids Tramp „Kindergarten XL“ Einbaurahmen 200 x 200 cm und 30 cm hoch, Sprungtuch 156 x 156 cm aus PVC-beschichtetem Gittergewebe – gelb, 56 Stahlfedern
- **Art. 97500** Kids Tramp „Playground XL“ Einbaurahmen 200 x 200 cm und 30 cm hoch, Sprungtuch 156x156 cm aus drahtverstärktem Gurtgewebe – schwarz, 52 Stahlfedern
- **Art. 97500B** Kids Tramp „Playground XL“ Einbaurahmen 200 x 200 cm und 30 cm hoch, Sprungtuch 156x156 cm aus drahtverstärktem Gurtgewebe – schwarz, mit zusätzlicher Beschichtung, 52 Stahlfedern
- **Art. E97501** Fallschutzplattensystem Safe XL, mit abgerundeten Kanten, 30 mm stark mit 4 Klebekartuschen, Farbe: grau
- **Art. E97504** Fallschutzplattensystem Safe XL, mit abgerundeten Kanten, 30 mm stark mit 3 Klebekartuschen, Farbe: rot
- **Art. 97110** Kids Tramp „Kindergarten Loop“ Einbaurahmen 150 x 150 cm und 30 cm hoch, Sprungtuch 107 x 107 cm aus PVC-beschichtetem Gittergewebe – gelb, runder Sprungausschnitt, 36 Stahlfedern
- **Art. 97010** Kids Tramp „Playground Loop“ Einbaurahmen 150 x 150 cm und 30 cm hoch, Sprungtuch 107 x 107 cm aus drahtverstärktem Gurtgewebe – schwarz, runder Sprungausschnitt, 36 Stahlfedern
- **Art. 97010B** Kids Tramp „Playground Loop“ Einbaurahmen 150 x 150 cm und 30 cm hoch, Sprungtuch 107 x 107 cm aus drahtverstärktem Gurtgewebe – schwarz, mit zusätzlicher Beschichtung, runder Sprungausschnitt, 36 Stahlfedern
- **Art. E97501** Fallschutzplattensystem Safe Loop, mit abgerundeten Kanten, 30 mm stark mit 3 Klebekartuschen, Farbe: grau
- **Art. 97112** Kids Tramp „Kindergarten Loop XL“ Einbaurahmen 200 x 200 cm und 30 cm hoch, Sprungtuch 156 x 156 cm aus PVC-beschichtetem Gittergewebe – gelb, runder Sprungausschnitt, 52 Stahlfedern
- **Art. 97012** Kids Tramp „Playground Loop XL“ Einbaurahmen 200 x 200 cm und 30 cm hoch, Sprungtuch 156 x 156 cm aus drahtverstärktem Gurtgewebe – schwarz, runder Sprungausschnitt, 52 Stahlfedern
- **Art. 97012B** Kids Tramp „Playground Loop XL“ Einbaurahmen 200 x 200 cm und 30 cm hoch, Sprungtuch 156 x 156 cm aus drahtverstärktem Gurtgewebe – schwarz, mit zusätzlicher Beschichtung, runder Sprungausschnitt, 52 Stahlfedern
- **Art. E97501** Fallschutzplattensystem Safe Loop XL, mit abgerundeten Kanten, 30 mm stark mit 4 Klebekartuschen, Farbe: grau

Item details

- **Art. 97100** Kids Tramp „Kindergarten“ built-in frame 150 x 150 cm, 30 cm high, jumping bed 107x107 cm made of PVC-coated fabric – yellow, 36 steel springs
- **Art. 97000** Kids Tramp „Playground“ built-in frame 150 x 150 cm, 30 cm high, jumping bed 107 x 107 cm made of wire reinforced belt fabric – black, 36 steel springs
- **Art. 97000B** Kids Tramp „Playground“ built-in frame 150 x 150 cm, 30 cm high, jumping bed 107 x 107 cm made of wire reinforced belt fabric with special coating – black, 36 steel springs
- **Art. E97001** Impact protection system Safe, with rounded border towards jumping bed, 30 mm strong with suitable adhesive, colour: grey
- **Art. E97004** Impact protection system Safe, with rounded border towards jumping bed, 30 mm strong with suitable adhesive, colour: red
- **Art. 97510** Kids Tramp „Kindergarten XL“ built-in frame 200 x 200 cm, 30 cm high, jumping bed 156 x 156 cm made of PVC-coated fabric – yellow, 56 steel springs
- **Art. 97500** Kids Tramp „Playground XL“ built-in frame 200 x 200 cm, 30 cm high, jumping bed 156 x 156 cm made of wire reinforced belt fabric – black, 56 steel springs
- **Art. 97500B** Kids Tramp „Playground XL“ built-in frame 200 x 200 cm, 30 cm high, jumping bed 156 x 156 cm made of wire reinforced belt fabric with special coating – black, 56 steel springs
- **Art. E97501** Impact protection system Safe XL, with rounded border towards jumping bed, 30 mm strong with suitable adhesive, colour: grey
- **Art. E97501** Impact protection system Safe XL, with rounded border towards jumping bed, 30 mm strong with suitable adhesive, colour: red
- **Art. 97110** Kids Tramp „Kindergarten Loop“ built-in frame 150 x 150 cm, 30 cm high, jumping bed 107 x 107 cm made of PVC-coated fabric – yellow, round jump cutout, 36 steel springs
- **Art. 97010** Kids Tramp „Playground Loop“ built-in frame 150 x 150 cm, 30 cm high, jumping bed 107 x 107 cm made of wire reinforced belt fabric – black, round jump cutout, 36 steel springs
- **Art. 97010B** Kids Tramp „Playground Loop“ built-in frame 150 x 150 cm, 30 cm high, jumping bed 107 x 107 cm made of wire reinforced belt fabric with special coating – black, round jump cutout, 36 steel springs
- **Art. E97501** Impact protection system Safe Loop, with rounded border towards jumping bed, 30 mm strong with suitable adhesive, colour: grey
- **Art. 97112** Kids Tramp „Kindergarten Loop XL“ built-in frame 200 x 200 cm, 30 cm high, jumping bed 156 x 156 cm made of PVC-coated fabric – yellow, round jump cutout, 56 steel springs
- **Art. 97012** Kids Tramp „Playground Loop XL“ built-in frame 200 x 200 cm, 30 cm high, jumping bed 156 x 156 cm made of wire reinforced belt fabric with special coating – black, round jump cutout, 56 steel springs
- **Art. 97012B** Kids Tramp „Playground Loop XL“ built-in frame 200 x 200 cm, 30 cm high, jumping bed 156 x 156 cm made of wire reinforced belt fabric with special coating – black, round jump cutout, 56 steel springs
- **Art. E97501** Impact protection system Safe Loop XL, with rounded border towards jumping bed, 30 mm strong with suitable adhesive, colour: grey

Bitte ausfüllen | Please fill in

Kaufdatum Date of Purchase		Seriennummer Rahmen Serial number frame	
Lieferant Adresse Contractor adress		Ansprechpartner Lieferant Contact person Contractor	
Adresse Wartungsdienst Address maintenance service		Ansprechpartner Wartungsdienst Contact person maintenance service	
Sonstige Bemerkungen Other comments			
Wartungsarbeiten Maintenance		Datum der Wartungsarbeiten Date of maintenance	Durchgeführt durch (Name, Adresse) Realized by (name, address)
Wartungsarbeiten an Federn Maintenance of springs			
Wartungsarbeiten am Sprungtuch Maintenance of jumping bed			
Wartungsarbeiten an Fallschutzplatten Maintenance of impact protection syst.			
Wartungsarbeiten am Rahmen Maintenance of frame			

Eurotramp Warranty Terms





Frames:
2 years (from purchase date)



All other parts (wearing parts):
no warranty

The warranty refers to material and manufacturing mistakes. In case of warranty we provide the replacement parts after verifying the facts and circumstances

Conditions of warranty:

- ✓ Adequate evidence of the defect or manufacturing mistake of a product (e.g. a pictured documentation with exact description of the damage);
- ✓ Timely report to Eurotramp or an authorized partner;
- ✓ The warranty requirements need to be confirmed by Eurotramp;
- ✓ Regular intervals of maintenance works / service;
- ✓ Stop of usage after observing a defect until the circumstance is solved.

Warranty excludes:

- ✗ Typical wearing parts like springs, jumping bed, impact protection etc. show typical wearing marks ascribing to common usage;
- ✗ The Kids Tramp was repaired or modified by anybody else but Eurotramp Trampolines Kurt Hack GmbH or one of our authorized partners;
- ✗ The Kids Tramp was not repaired or serviced with original Eurotramp spare parts;
- ✗ The damage was caused by inappropriate use and storage or other insufficient accuracy;
- ✗ The Kids Tramp was damaged by exterior influence - vandalism.



Parts List (scope of delivery)

Kids Tramp

Art.No. 97000; 97100; 97010; 97110; 97510 ; 97500 ; 97112; 97012; 97000B; 97500B; 97010B; 97012B	Quantity	
	small models	XL models
Frame, consisting of:	1	1
• Jumping bed	1	1
• Anchor bars	36	56
• Steel springs	36	56
Mounting tool (located in the frame)	1	1
Rubber protection bars (included in orders without impact protection system)	4	4

Bonded impact protection system* (optional):

Art.No. E97001, E97004, E97501; E97504, E97011, E97512	Quantity			
	small models	XL models	Loop models	Loop XL models
Tiles of impact protection system, consisting of:	8	12	8	12
• corner piece (same for left and right side)	-	-	4	4
• corner piece with mitre on the left	4	4	-	-
• corner piece with mitre on the right	4	4	-	-
• centerpiece	-	4	4	4
Glue	3	4	3	4

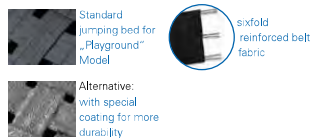
*Note: products come with a valid TÜV certificate for the Kraiburg Relastec EUROFLEX® impact protection slabs. If impact protection systems from other companies are used, these must be permitted and certified for fall heights of minimum 1 m (in accordance with DIN EN 1177).

All spare parts are available from Eurotramp upon request. Spare parts list from page 44.

Kids Tramp characteristics

Model "Playground"

Designed for **unattended** public playground areas. The reinforced mesh of belt material features a high level of vandalism safety. It's also UV resistant and weather - proof.



Bonded impact protection system – all Kids Tramp models

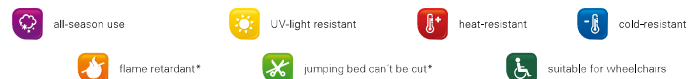
All impact protection tiles are delivered with rounded edges on the inside. This provides increased safety by smooth transition and barrier-free access between impact protection and jumping bed.

Model "Kindergarten"

Mostly for kindergartens and other facilities where a supervision is guaranteed at any time. The jumping bed is made of PVC coated mesh, not resistant to vandalism, UV resistant and weather - proof.



Characteristic	Art. 97100: Kids Tramp "Kindergarten" Art. 97110: Kids Tramp "Kindergarten Loop" Art. 97000: Kids Tramp "Playground" Art. 97010: Kids Tramp "Playground Loop" Art. 97100B: Kids Tramp "Playground" + special coating Art. 97010B: Kids Tramp "Playground Loop" + special coating	Art. 97510: Kids Tramp "Kindergarten XL" Art. 97112: Kids Tramp "Kindergarten Loop XL" Art. 97500: Kids Tramp "Playground XL" Art. 97012: Kids Tramp "Playground Loop XL" Art. 97500B: Kids Tramp "Playground XL" + special coating Art. 97012B: Kids Tramp "Playground Loop XL" + special coating
Frame	150 x 150 x 30 cm (L x B x H) special steel, for ground level installation, hot-dip galvanized	200 x 200 x 30 cm (L x B x H) special steel, for ground level installation, hot-dip galvanized
Depth of pit	30 cm, underneath jumping bed 73 cm	
Jumping bed	107 x 107 cm	156 x 156 cm
Weight (without cover)	113 kg	168 kg



*Model "Playground"

Suitable for playgrounds according to DIN EN 1176

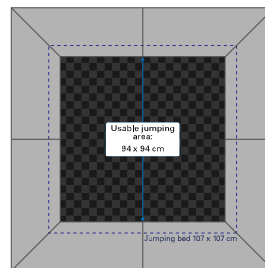


Jumping area dimensions for Kids Tramp – Cutout dimensions

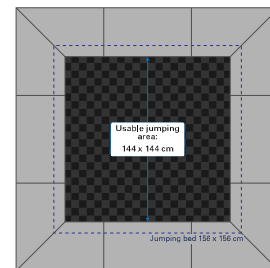
Article number	Usable jumping area – with original Imp. Prot. Sys.* (rubber tile – rubber tile)	Cutout dimensions of metal frame – without Imp. Prot. Sys. (frame – frame)
Kids Tramp – 97000; 97100; 97000B	94 cm	100 cm
Kids Tramp XL – 97500; 97510; 97500B	144 cm	150 cm
Kids Tramp Loop – 97010; 97110; 97010B	92 cm	98 cm
Kids Tramp Loop XL – 97012; 97112; 97012B	143 cm	149 cm

*Usable jumping area with original Kraiburg Impact Protection System.

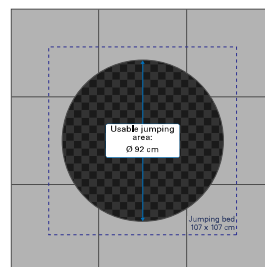
• Art.No. 97000; 97100; 97000B



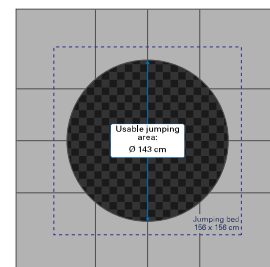
• Art.No. 97500; 97510; 97500B



• Art.No. 97010; 97110; 97010B



• Art.No. 97012; 97112; 97012B



Maintenance and Inspection

Possible locations for Kids Tramps

- Schools and kindergartens;
- Water parks;
- Recreation parks;
- Playgrounds;
- Camping grounds;
- Shopping malls;
- Public parks and pleasure grounds;
- Hotels;
- Private gardens;
- Zoos;
- And many more.

Safety room and distances

Above: Over the Kids Tramp there should be a free space of approx. 3,50 metres (no trees, power lines, etc.)

Surrounds: around the large 2m-Kids Tramps (incl. Loop) you must consider a safety area of at least 2 metres (before: 1,5 m) at all sides. Around the small 1,5 m-Kids Tramps (incl. Loop) you must consider a safety area of at least 1,5 metres at all sides.

Installation instructions

The Kids Tramp is already completely mounted when it is delivered (standard without bonded impact protection). The weight of a Kids Tramp without impact protection is 113 kg and 168 kg for XL models. To unload the equipment from the truck and take it to the place of installation, it will be necessary a sufficient number of assistants.

The Kids Tramp is delivered on a wooden pallet which can be easily moved with a fork lift. A fork lift is usually available on the delivery truck. There are two assembly instructions available (from page 32).

The type of installation instruction depends on the local ground conditions. A step-by-step installation video can be found on www.eurotramp.com/Kids-Tramp-support



Installation time

The Kids Tramp is completely mounted, the bonded impact protection system has to be glued on. The placement in the prepared pit takes approximately 30 minutes. The attachment of the Eurotramp bonded impact protection system on the frame will take approximately 45 minutes.

Required special tools

No special tools are required for assembly of the Kids Tramp. An assembly tool is included to make changing the springs easier (inside installation frame). This should be removed and stored in a safe place prior to using the Kids Tramp for the first time.

You will need a spade or excavator to dig out the recess.

Foundation plan

See the recommended assembly for instructions (from page 32).

Care instructions

The Kids Tramp does not require any special care. During the winter months, you may need to cover the jumping bed. Large, sustained falls of snow place unnecessary strain on the springs. Carefully remove the snow at regular intervals, or dismantle the jumping bed during the winter months. The jumping bed can be partially removed to allow cleaning of the recess (see page 43).

Inspection

The Kids Tramp must always be examined for possible damage before use. It must particularly be ensured that the impact protection, jumping bed, and springs do not show any signs of damage. Any damage must be rectified immediately. If there is any doubt concerning the correct functioning of the product, it must always be examined by an expert (e.g. equipment operator or maintenance company).

Products installed in public areas must be regularly inspected by the appropriate maintenance services employed to examine playgrounds to ensure they are in a perfect technical condition.

Care/maintenance

If defects are found on the jumping bed, impact protection or the springs which prevent hazard-free jumping, the Kids Tramp must be taken out of use and the defects rectified immediately. If there is any doubt concerning the correct functioning of the product, it must always be examined by an expert (e.g. playground operator, equipment manager or maintenance company).

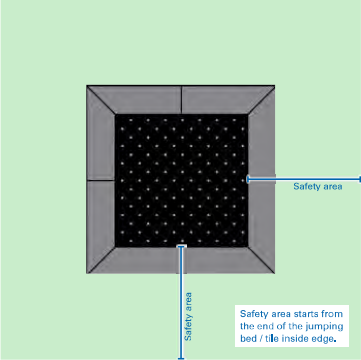
Repairs measures

- Missing parts must be replaced;
- Damaged jumping beds must be replaced;
- Overstretched, damaged and stiff springs must be replaced. Signs of this are e.g. that the spring body has uneven coil distances or that stretched spring bodies in the relaxed state do not return to their original position.

Replacing the springs:

- Removal: Use the assembly tool provided (spring compressor) to unhook the steel springs from the jumping bed first, and then from the welded mounting hooks.
- Fitting: Hook the steel springs onto the frame first, then onto the jumping bed. This will be easier if the mounting hooks are positioned a little higher on the bed.

Important: Always hook the springs on with the eyelet facing downwards in the jumping bed!



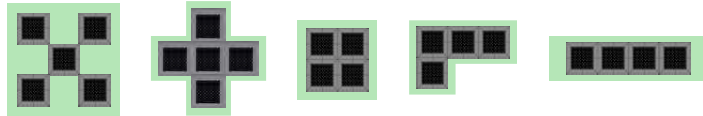
Maximum height of fall

As a soil material in the safety area Eurotramp recommends the use of topsoil (natural soil), wood chips or alternatively bonded impact protection with a maximum height of fall of at least 100 cm.

TYPE OF INSPECTION	FREQUENCY	CONTENT
Visual routine inspection	- Infrequent use: monthly; - Moderately heavy use: weekly; - Heavy-duty use or where there is a high risk of vandalism: daily.	- Visual inspection of the jumping bed and impact protection; - Visual inspection that the springs are complete; - Check for cleanliness, sharp edges, condition of the adjacent floor areas, etc.
Operational inspection	- Low use: quarterly; - more frequent use: monthly	In addition to the visual check: - check the ground clearance; - check for damage from corrosion; - check for missing parts; - check for excessive wear and tear.
Annual main inspection	Once a year.	General assessment of the safe operational condition of the equipment. In addition to visual and operational inspection, check that: - the bed is hooked perfectly into position; - there are no cracks or damage in the frame; - the springs are not damaged or overstretched; - the impact protection is fitted correctly; - always hook the springs on with the eyelet facing downwards

Multiple arrangement

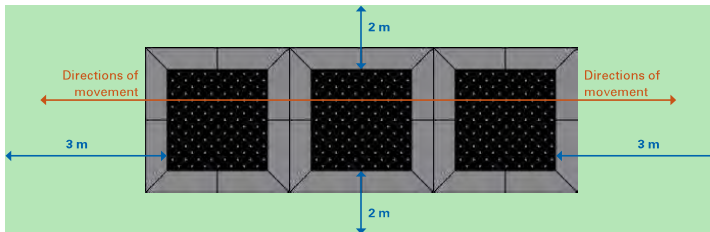
Possible arrangements



Surrounding safety areas according to TÜV EN 1176-1:2017-12:

If there's a defined direction of movement, you must consider a safety area of at least 3 metres length at the sides of jump-in and jump-out!

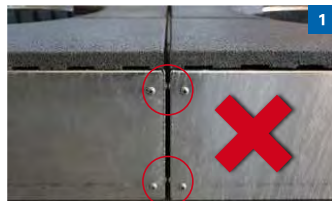
Surrounding safety areas for small and large Kids Tramps (incl. Loop), when arranged in-line:



The Kids Tramps are ideally suited for multiple arrangement. When the Kids Tramps are built in close together there is a gap between the boxes caused by the screws (1).

To avoid this gap all screws must be removed at the

current side at first. The Kids Tramp boxes then have to be reconnected with four long screws from the inside (2). These are included inside the scope of delivery.



Safety instructions for using the Kids Tramp

Serious injury is caused not just by falling from the Kids Tramp, uncontrolled landing on the jumping bed on the head or neck can also result in life-threatening injuries. The best protection against accidents and injury is respect when jumping and observation of a few safety rules. Before using the Kids Tramp, ensure that the equipment is in perfect technical condition.



First try some small jumps until you consistently land in the centre of the jumping bed. Keep your eyes on the edges to control jumping.



Allow only one person to stand and jump on the Kids Tramp field at any one time.



Jump on the Kids Tramp only as instructed. Do not jump on other objects or people.



Somersaults and twisting, backflips and belly jumps are strictly prohibited!



Do not jump for too long. Stop jumping immediately if you feel dizzy or breathless.



Individuals with a pre-existing medical condition (e.g. spinal damage) and pregnant women must not use the equipment.



Never jump bare-footed on the Kids Tramp or while wearing flip-flops.



For safety reasons, remove jewellery, watches and such like before jumping.



Food, drinks, chewing gum and sweets are absolutely prohibited while jumping. Risk of suffocation!



Strong gusts of wind may adversely affect jumping on the Kids Tramp.



There is an increased risk of falling when using the Kids Tramp in snow and rain.



Do not jump when under the influence of medication, alcohol or drugs.

Installation of a Kids Tramp 1,50 m — without concrete bedding

Suitable Kids Tramp models

- Art. 97100: Kids Tramp "Kindergarten"
- Art. 97110: Kids Tramp "Kindergarten Loop"
- Art. 97000: Kids Tramp "Playground"
- Art. 97010: Kids Tramp "Playground Loop"
- Art. 97100B: Kids Tramp "Playground" + special coating
- Art. 97010B: Kids Tramp "Playground Loop" + special coating

Preparing a square pit

- Dimensions: 160 x 160 cm
- Depth: 71 cm
- On cohesive soil, a vertical recess should be possible in a short time. On non-cohesive or loose soils, an angle of slope should be maintained to prevent subsequent slipping of the edges.

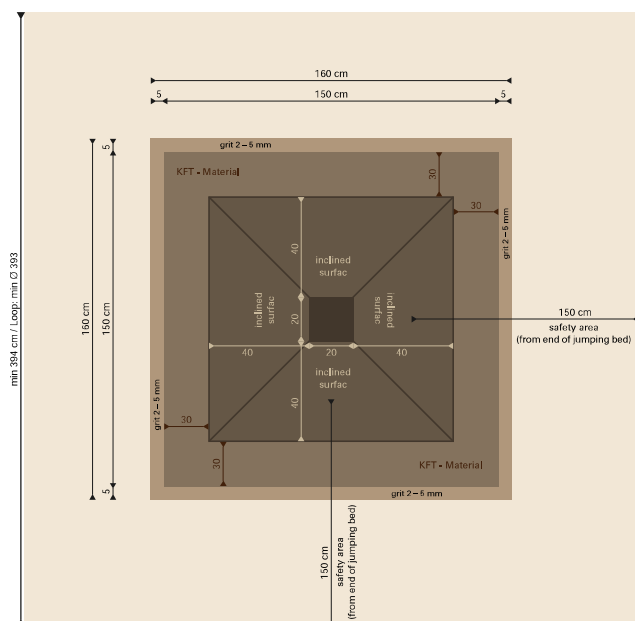
Required material

- 0,85 m³ combined frost protection and base layer material
- 0,10 m³ grit 2 – 5 mm

Pit preparation

- Place 42 cm combined frost protection and base layer in the pit and compress it well with a pit to the centre (see illustration – possible sag). The top edge of the combined frost protection and base layer material in the support area should be 31 cm below ground level.
- Once preparations are complete, the Kids Tramp can be placed on the well-compacted combined frost protection and base layer. Fill the remaining cavities between the equipment and the existing ground with 2 – 5 mm grit.
- Add humus to the top 5 – 10 cm to create a seamless transition to the existing ground.
- Drainage must be added to cohesive (impermeable) soil. The pit must be dug 10 cm deeper and a drainage pipe fitted which can be connected to an appropriate outflow (e.g. sewerage system). The combined frost protection and base layer increases from 42 cm to 52 cm.

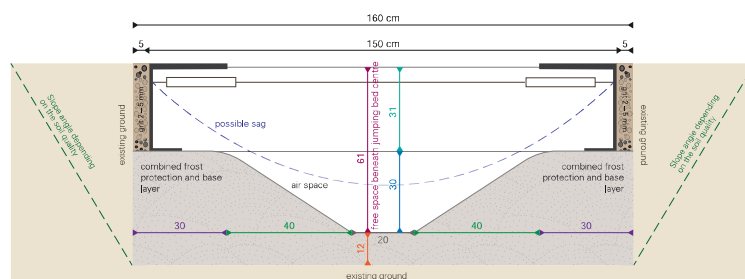
Floor plan / top view



Attention: the Kids Tramp must be installed on a level surface and not on a mound or slope.



Profile diagram



Installation of a Kids Tramp 2 m — without concrete bedding

Suitable Kids Tramp models

- Art. 97510: Kids Tramp "Kindergarten XL"
- Art. 97112: Kids Tramp "Kindergarten Loop XL"
- Art. 97500: Kids Tramp "Playground XL"
- Art. 97012: Kids Tramp "Playground Loop XL"
- Art. 97500B: Kids Tramp "Playground XL" + special coating
- Art. 97012B: Kids Tramp "Playground Loop XL" + special coating

Preparing a square pit

- Dimensions: 210 x 210 cm
- Depth: 71 cm
- On cohesive soil, a vertical recess should be possible in a short time. On non-cohesive or loose soils, an angle of slope should be maintained to prevent subsequent slipping of the edges.

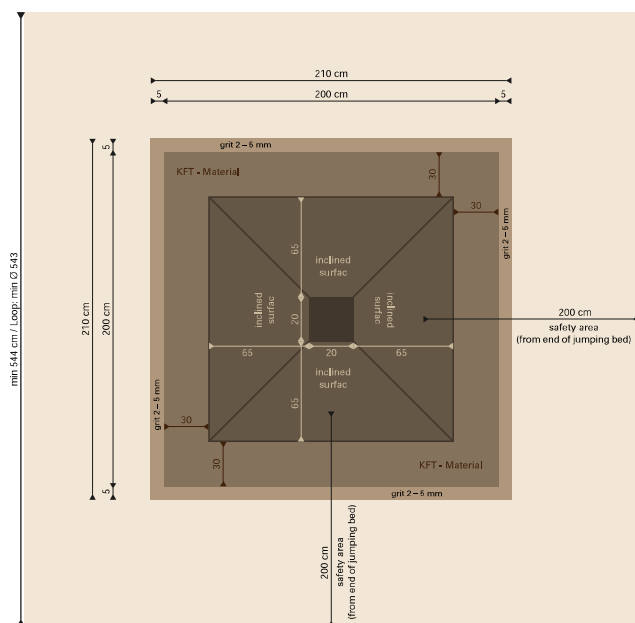
Required material

- 1,85 m³ KFT - combined frost protection and base layer material
- 0,12 m³ grit 2 – 5 mm

Pit preparation

- Place 42 cm combined frost protection and base layer in the pit and compress it well with a pit to the centre (see illustration – possible sag). The top edge of the combined frost protection and base layer material in the support area should be 31 cm below ground level.
- Once preparations are complete, the Kids Tramp can be placed on the well-compacted combined frost protection and base layer. Fill the remaining cavities between the equipment and the existing ground with 2 – 5 mm grit.
- Add humus to the top 5 – 10 cm to create a seamless transition to the existing ground.
- Drainage must be added to cohesive (impermeable) soil. The pit must be dug 10 cm deeper and a drainage pipe fitted which can be connected to an appropriate outflow (e.g. sewerage system). The combined frost protection and base layer increases from 42 cm to 52 cm.

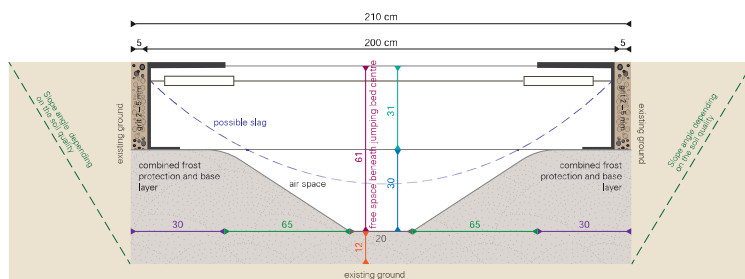
Floor plan / top view



Attention: the Kids Tramp must be installed on a level surface and not on a mound or slope.



Profile diagram



Installation of a Kids Tramp 2 m — with concrete bedding

Suitable Kids Tramp models

- Art. 97510: Kids Tramp "Kindergarten XL"
- Art. 97112: Kids Tramp "Kindergarten Loop XL"
- Art. 97500: Kids Tramp "Playground XL"
- Art. 97012: Kids Tramp "Playground Loop XL"
- Art. 97500B: Kids Tramp "Playground XL" + special coating
- Art. 97012B: Kids Tramp "Playground Loop XL" + special coating

Preparing a square pit

- Dimensions: 210 x 210 cm
- Depth: 73 cm
- On cohesive soil, a vertical recess should be possible in a short time. On non-cohesive or loose soils, an angle of slope should be maintained to prevent subsequent slipping of the edges.

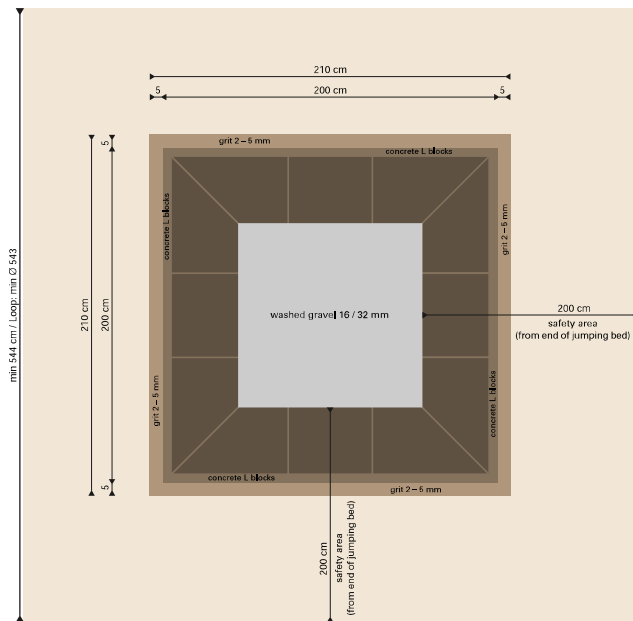
Required material

- 0,75 m³ lean concrete
- 8x 40/40/22 cm concrete L blocks, mitre cut
- 12x 40/40/22 cm concrete L blocks
- 0,10 m³ washed gravel 16 – 32 mm
- 0,10 m³ grit 2 – 5 mm

Pit preparation

- Place concrete L blocks with external dimensions measuring 200 x 200 cm on a lean concrete in the pit. The top edge of the concrete L blocks should be 31 cm below the ground level.
- After installing the concrete support, fill the gap between the concrete L blocks with washed gravel (16/32 mm) to a depth of 12 cm.
- Once preparations are complete, the Kids Tramp can be placed on the concrete L blocks. Fill the remaining cavities between the equipment and the existing ground with 2 – 5 mm grit.
- Add humus to the top 5 – 10 cm to create a seamless transition to the existing ground.
- Drainage must be added to cohesive (impermeable) soil. The pit must be dug 15 cm deeper and a drainage pipe fitted which can be connected to an appropriate outflow (e.g. sewerage system).
- Then compact 15 cm of frost protection and base layer/gravel mix across the entire surface and then apply the concrete layer.

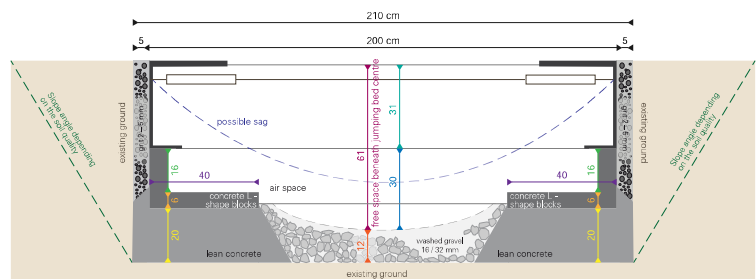
Floor plan / top view



Attention: the Kids Tramp must be installed on a level surface and not on a mound or slope.



Profile diagram



Adhesive instructions for bonded impact protection

Attention: the purchase of the Impact protection system is optional.



Material

- Glue for bonded impact protection system (Art. E97003)
- Cartridge applicator gun (not in scope of delivery)



- The glue is laid on in circular form on the out-standing squares and along the rounded edge.



⚠ Attention: 3x thick traces of glue must be applied along the rounded edge, ⚠



- Place the impact protection tile flush on the frame and tap strongly.

The Kids Tramp can now be placed in the pit.



Pit placement



- This figure shows a recess with a frost protection and base layer (without concrete support). Follow the same series of steps for a recess with a concrete support.



- Then dig out the recess and position the Kids Tramp.



- Use a spirit level to check the horizontal positioning of the Kids Tramp.



- Finally, fill the cavities with grit or humus to create a seamless level between the equipment and the ground.
- As a soil material in the safety area Eurotramp recommends the use of topsoil (natural soil), wood chips or alternatively bonded impact protection with a maximum height of fall of at least 100 cm.

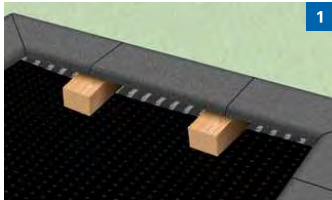
✔ Done!

Jumping bed replacement - all Kids Tramp models



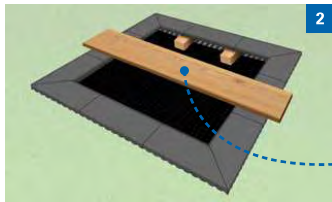
Material

- Mounting tool (Art. E31100)
- 1 pair of safety gloves (not in scope of delivery)
- 1 large board (not in scope of delivery)
- 2 blocks of wood (not in scope of delivery)



1

- Push the 2 blocks of wood between the frame and the jumping bed, so that the jumping bed is pushed down and the springs are visible.



2

- Place the large board in the middle and across the Kids Tramp.



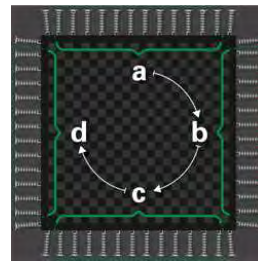
The steel springs should be removed from inside of the Kids Tramp.



3

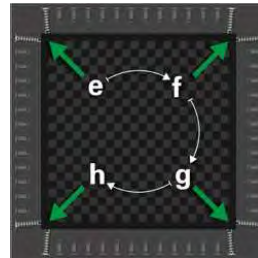
- Remove the steel springs with mounting tool in the order a, b, c, d, e, f, g, h (see illustrations 3 and 4).

In the following link you can find a video to the disassembly of the jumping bed: www.eurotramp.com/Kids-Tramp-support



4

⚠ Attention: do not unhook corner springs yet. ⚠



5

- Now the corner springs can be unhooked.
- Remove jumping bed.

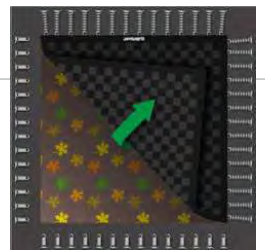
New jumping bed installation

- The installation of the new jumping bed is done in the reverse order than the removal (h, g, f, e, d, c, b, a).
- Playground models: the new jumping bed must be installed with the Eurotramp-Logo facing up.
- Kindergarten models: the new jumping bed must be installed with the stamped side facing up.

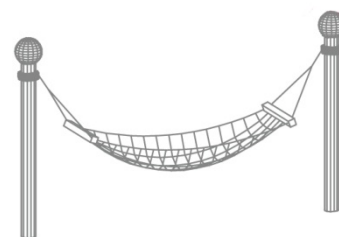
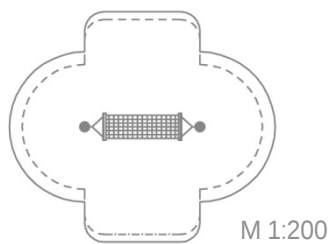


Pit cleaning

- Only half the jumping bed needs to be unhooked to clean the pit. Again, ensure that the corner springs are unhooked last.
- Fold the jumping bed onto the other half, and clean the pit.
- To hook the jumping bed back into place, reverse these steps.



Terrano.196 - Product Specification



Terranos net landscapes – straight posts and connecting elements

Our netscapes offer children of all ages plenty of space for any kind of climbing, crawling, balancing and other physical activities. The highly accessible components are also the ideal place to get engaged in imaginative play or just hang around and relax.

Terrano.196 – at a glance.

Product Family:	Terranos & Terranova	Number of Foundations:	2 pc.
Item Number:	95.170.196	Concrete Volume C20/C25:	0.7 m³ (24.7 ft³)
Children's Age:	5+	Number of skilled installers required:	2
Fall Height (DIN EN 1176):	1.50 m	Installation Time without foundation:	1 hour
Length x Width x Height:	3.3 m x 0.7 m x 1.9 m (10'-8" x 2'-4" x 6'-3")	Dimensions of largest part:	Ø 0.1 m x 2.8 m (Ø 0'-4" x 9'-2")
Protective Surfacing Area (DIN EN 1176):	6.3 m x 5.6 m	Weight of heaviest part:	63 kg (138.9 lbs)
Protective Surfacing Area (ASTM 1487):	7.0 m x 6.0 m (22'-8" x 19'-9")	Shipping Volume:	1.0 m³ (35.3 ft³)
Minimum space required DIN EN 1176:	24.9 m²	Spare part guarantee:	Lifelong
Minimum space required ASTM 1487:	29.8 m² (320.8 sf)	Certificate according to DIN EN 1176:	ZZ 16 01.10256.255 TÜV Product Service

Technical Data.

The following text can also be used for tenders.

Posts:

Steel pipes Ø 133 mm (5 ¼"); wall thickness 5 - 10 mm (3/16" - 3/8") with a round cast aluminum post top; anti-corrosion treatment and color finish: sandblasting and solvent-free zinc-/ epoxy-/ polyester-process

Ropes:

U-Rope®-round strand ropes with galvanized and covered wires: external strands with non-abrasive UV-resistant Polyester-yarn (no Polypropylene); rope-diameter Ø 16 mm (5/8")

Hammock:

Rope Ø 16 mm (5/8"); hammock net with mesh width approx. 100 x 100 mm (3-15/16" x 3-15/16"); with two in situ-replaceable square rungs; rungs comprised of stainless steel profile with aluminum end caps; two swivel joints connect to aluminum clamps

Terranos clamps:

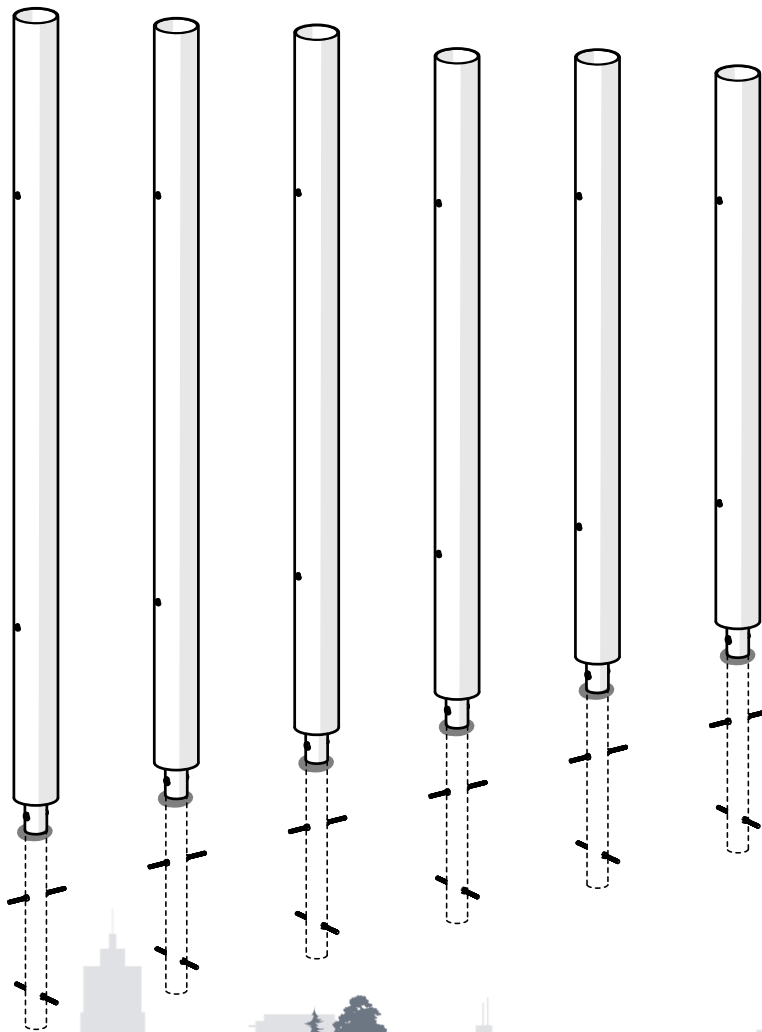
Two-part cast aluminum connecting clamps for the height-adjustable connection of rope elements or steel pipes to Terranos steel posts; anti-corrosion treatment and color finish: sandblasting and solvent-free zinc-/ epoxy-/ polyester-process

Berliner
Berliner Seilfabrik GmbH & Co.
Lengeder Straße 2/4
D-13407 Berlin

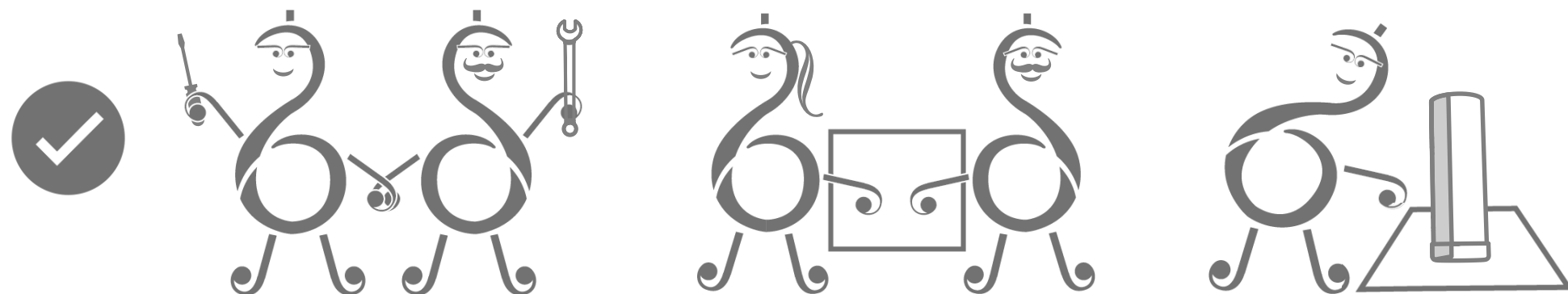
Tel. +49.(0)30.41 47 24-0
Fax +49.(0)30.41 47 24-33

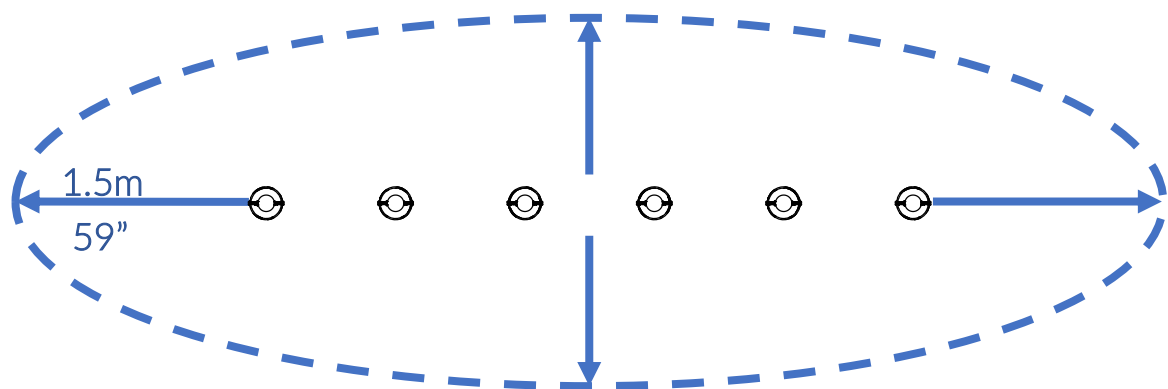
info@berliner-seilfabrik.com
www.berliner-seilfabrik.com



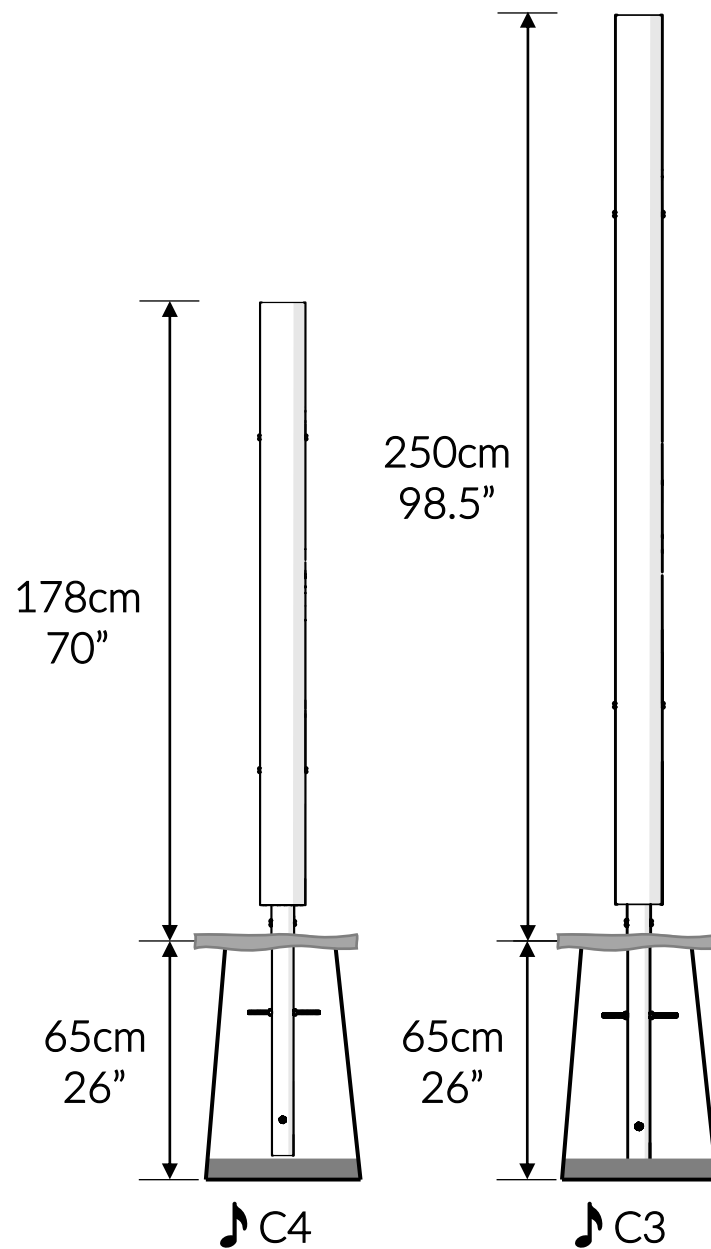


Part Reference	Description
PP-EMPE-ST-06-GR	Emperor Chimes (Set of 6) - Silver (Ground Fix)

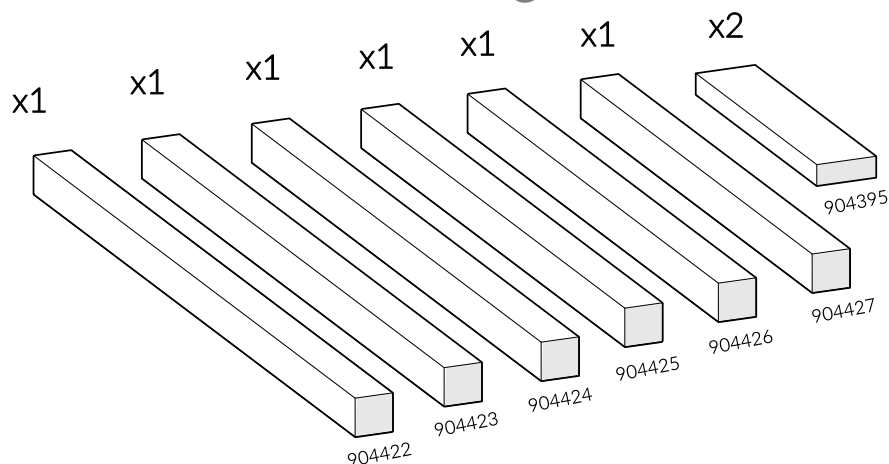




Check Risk Assessment



Packages

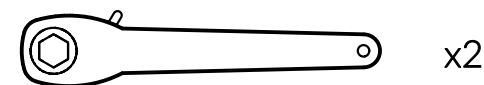


		L	W	H	Weight	Net
x1	904422	250cm / 98.5"	13cm / 5"	13cm / 5"	18kg / 40lbs	
x1	904423	235cm / 92.5"	13cm / 5"	13cm / 5"	17kg / 37.5lbs	
x1	904424	225cm / 88.5"	13cm / 5"	13cm / 5"	16kg / 35lbs	
x1	904425	205cm / 81"	13cm / 5"	13cm / 5"	15kg / 33lbs	
x1	904426	195cm / 77"	13cm / 5"	13cm / 5"	14kg / 31lbs	
x1	904427	180cm / 71"	13cm / 5"	13cm / 5"	13kg / 29lbs	
x2	904395	94cm / 37"	20cm / 8"	7cm / 3"	12kg / 26.5lbs	

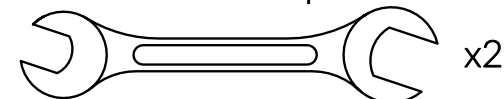
Spares available from
percussionplay.com or
from your local distributor

Tools required (not supplied)

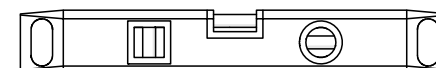
¼" Bit Driver Ratchet



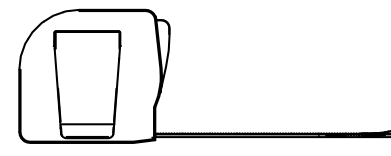
11/16" / 17mm Spanner

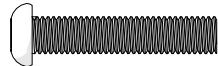
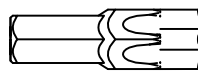


Spirit level

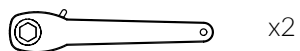


Tape Measure

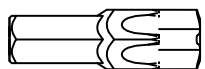


904422	904423	904424	904425	904426	904427	904395		x2
								
① x1	② x1	③ x1	④ x1	⑤ x1	⑥ x1	⑦ x3 602963		Ⓐ x3 500572
① x1	② x1	③ x1	④ x1	⑤ x1	⑥ x1			Ⓑ x3 500613
① x1	② x1	③ x1	④ x1	⑤ x1	⑥ x1	Ⓒ x6 500627	Ⓓ x12 500457	
① x1	② x1	③ x1	④ x1	⑤ x1	⑥ x1	① x1	② x1	TX45 x2 500720
① x1	② x1	③ x1	④ x1	⑤ x1	⑥ x1	① x1	② x1	Not to scale

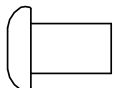
1. x6



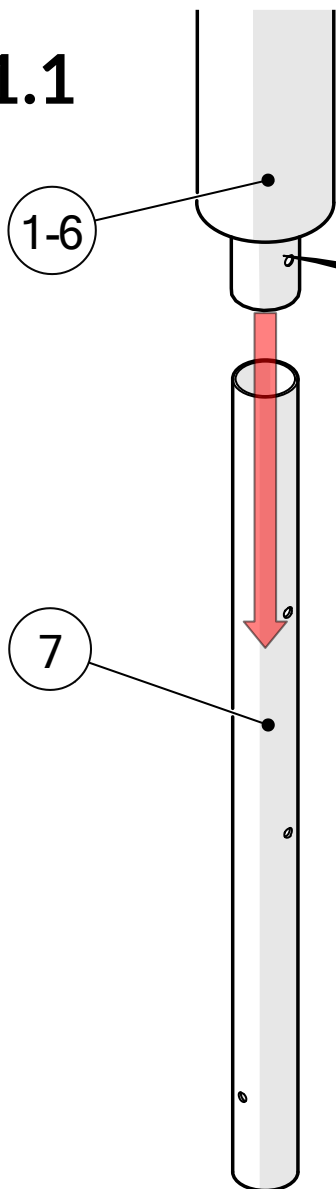
x2



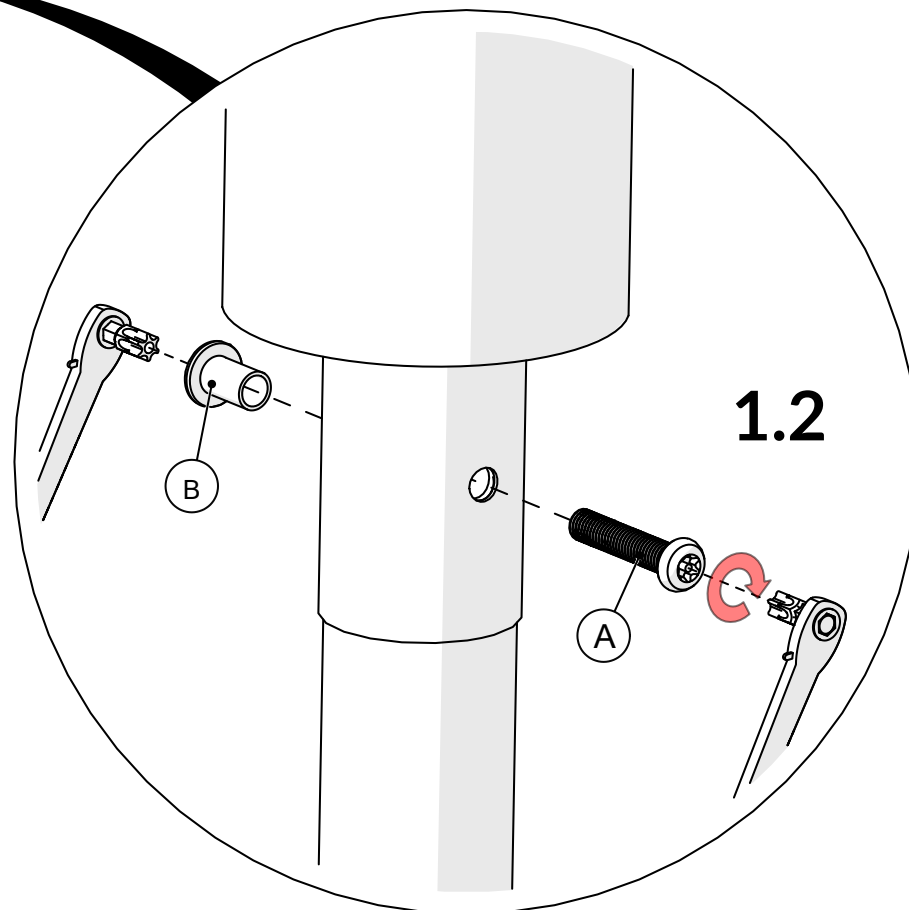
x2 TX45

A		x6
B		x6

1.1

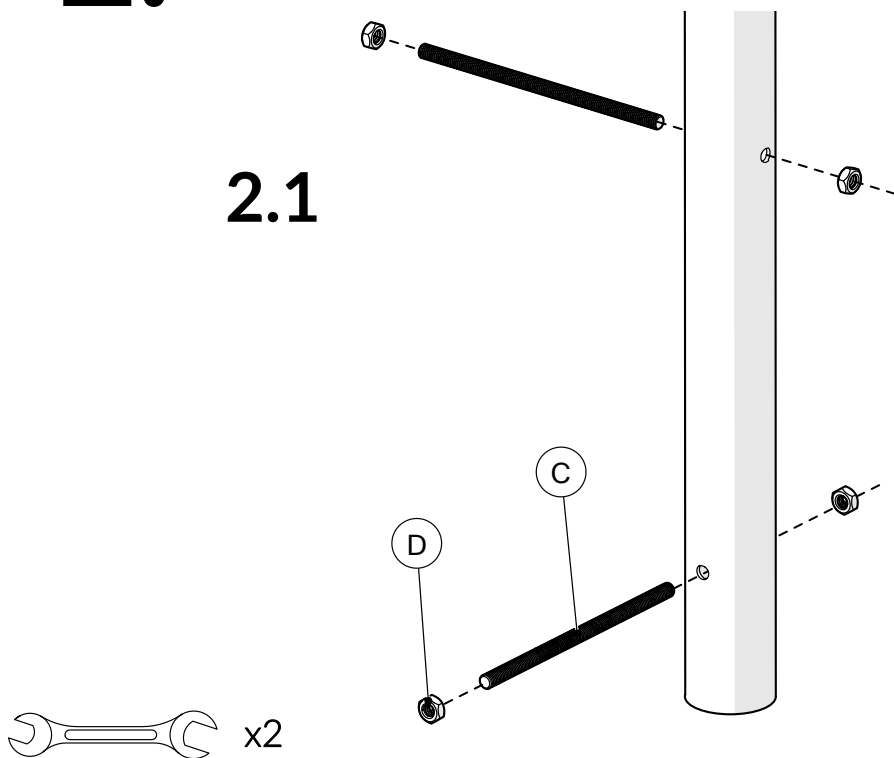


1.2

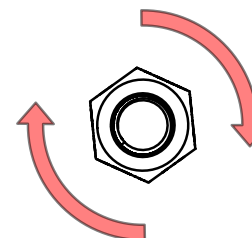
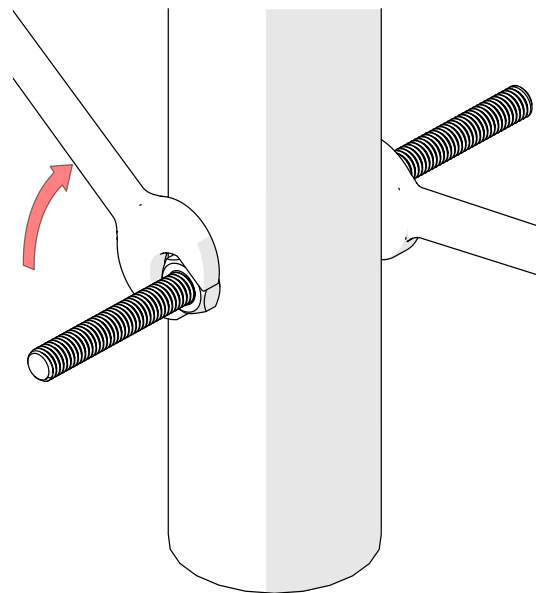


2. x6

2.1



2.2



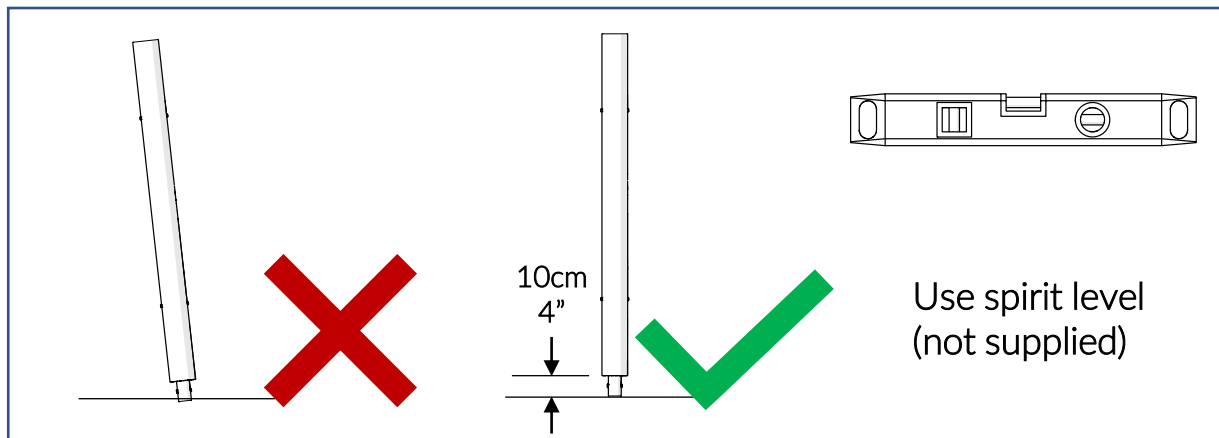
C		x12
D		x24

3. x6

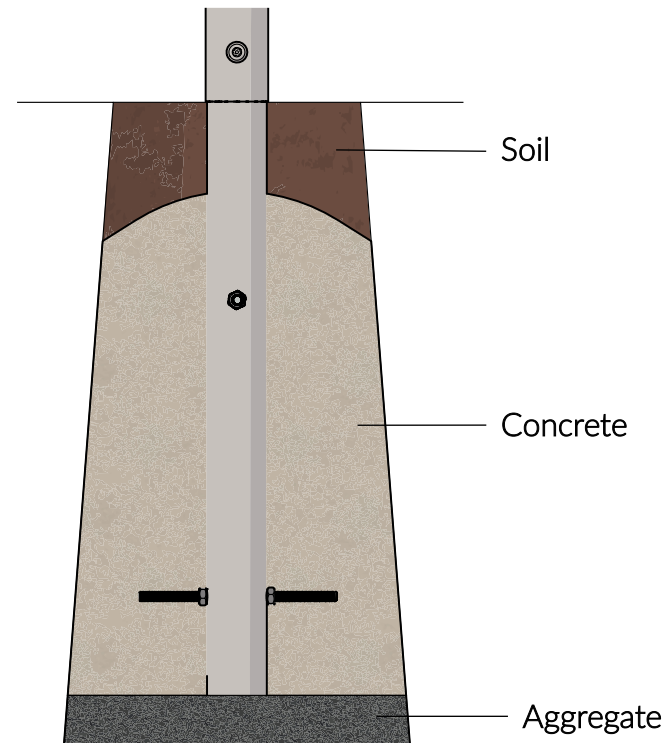
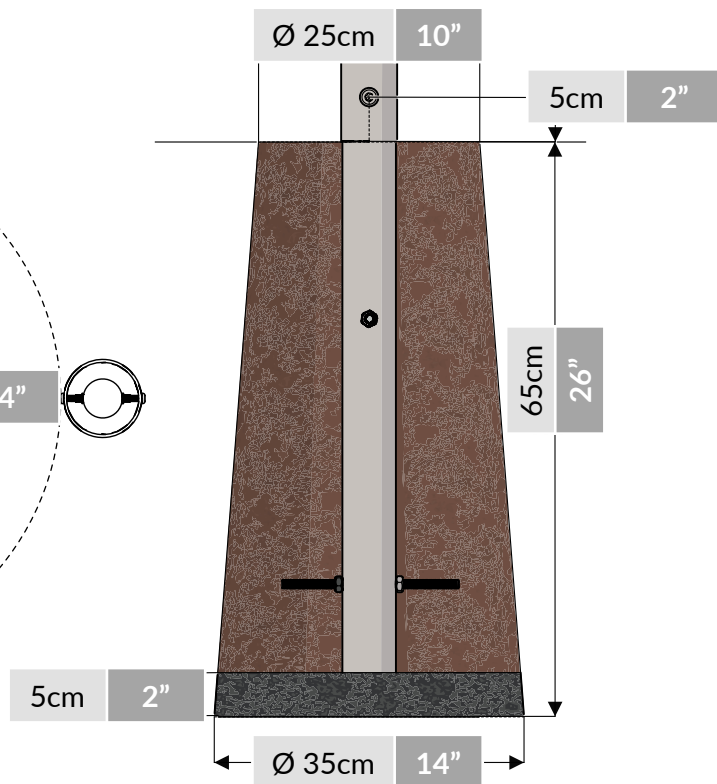
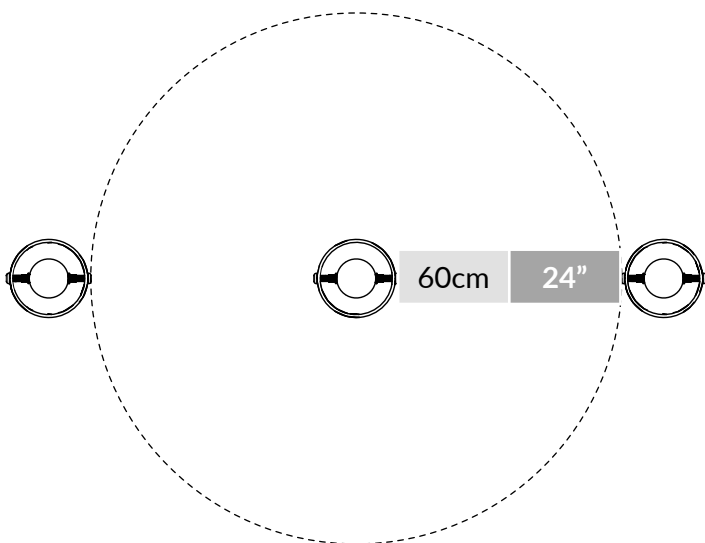


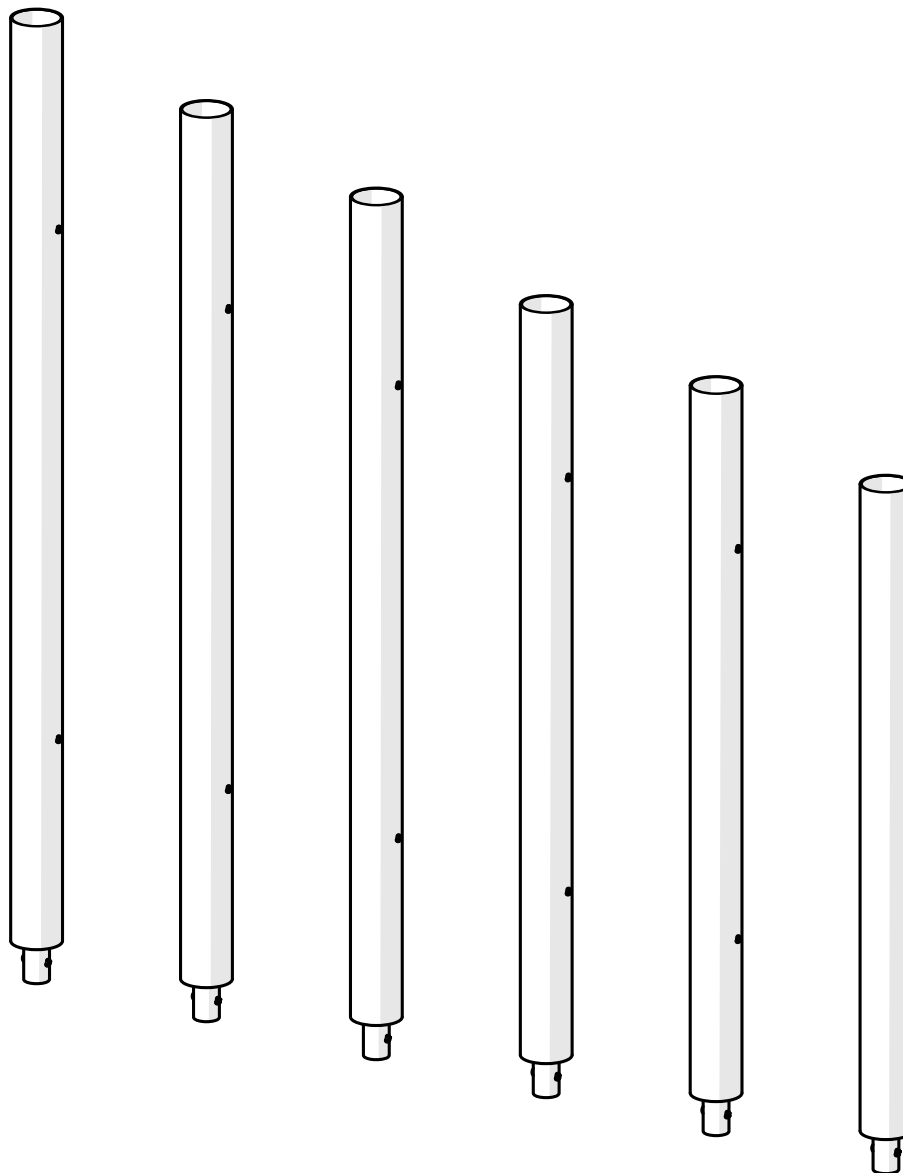
Foundations
should not present
a hazard

Refer to your local
Health & Safety
standards



cm inch





Layout for illustration purposes only



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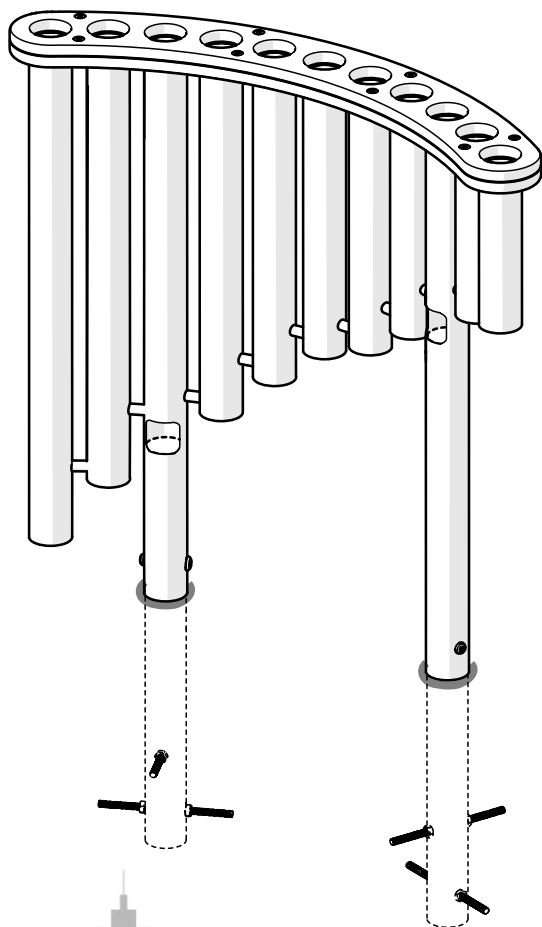
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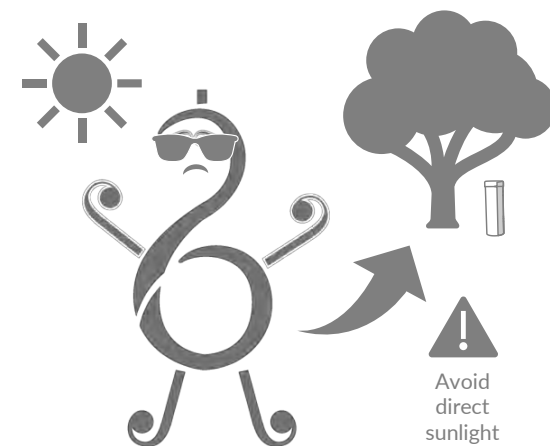
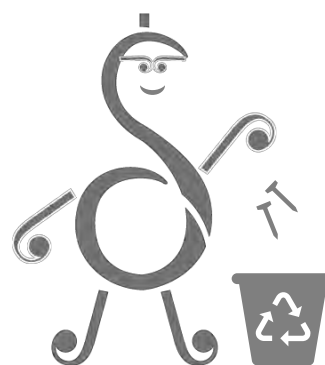
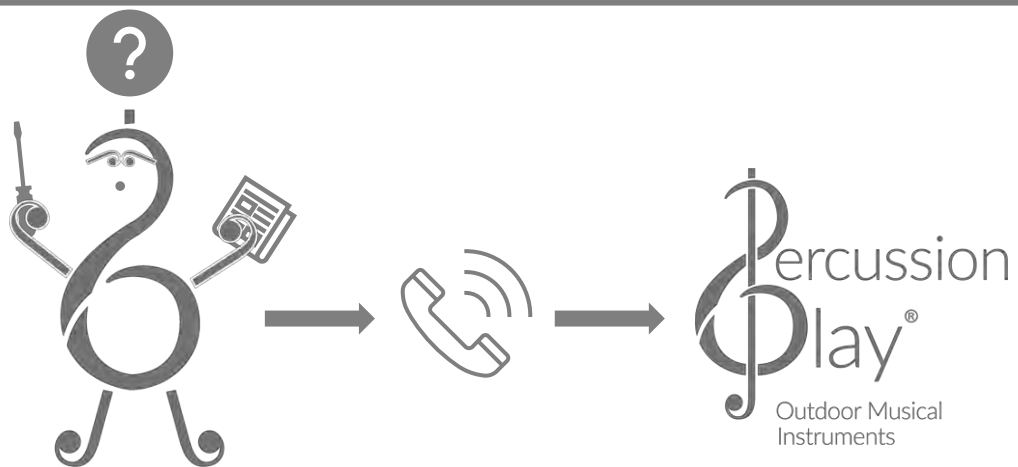
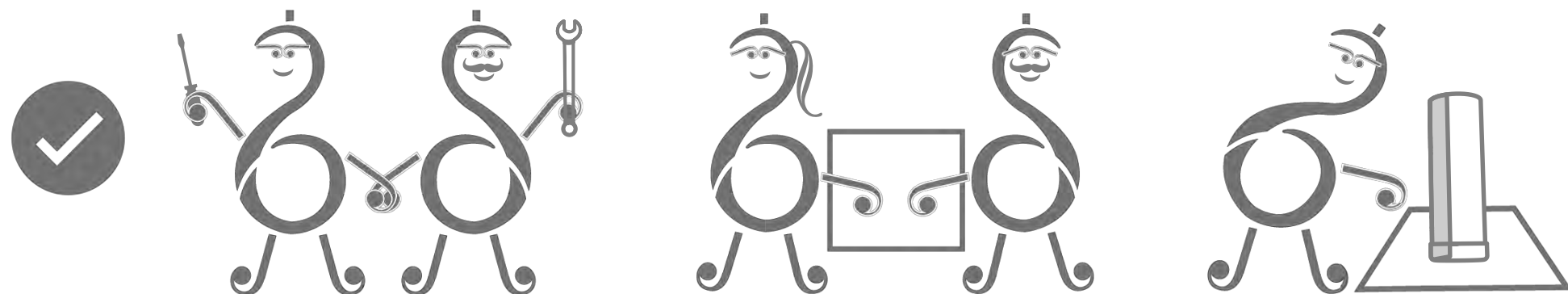
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[+1 \(866\) 882 9170](tel:+18668829170)

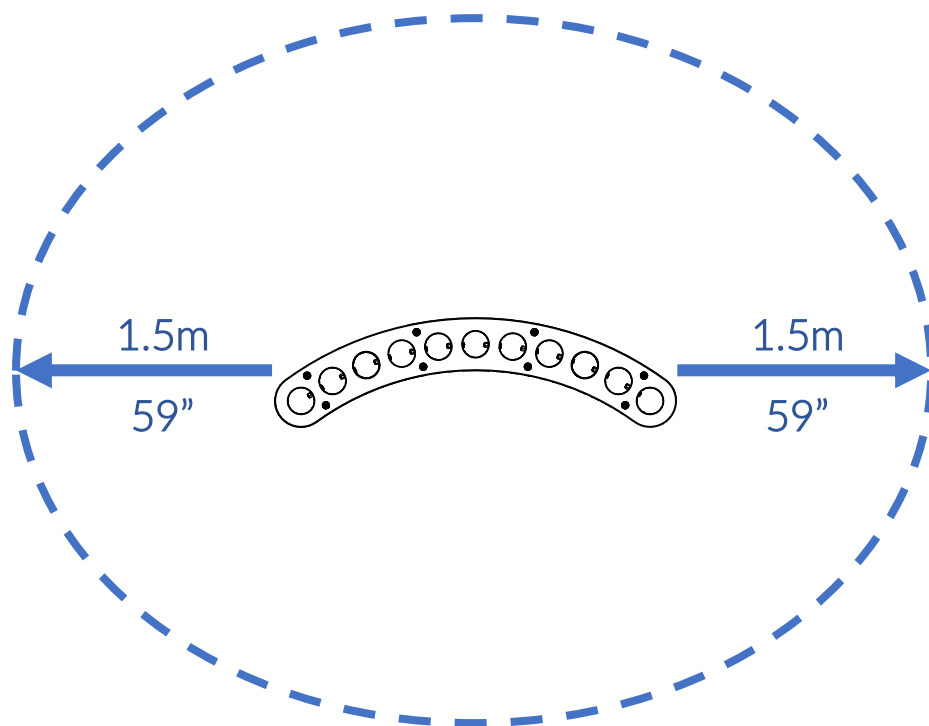
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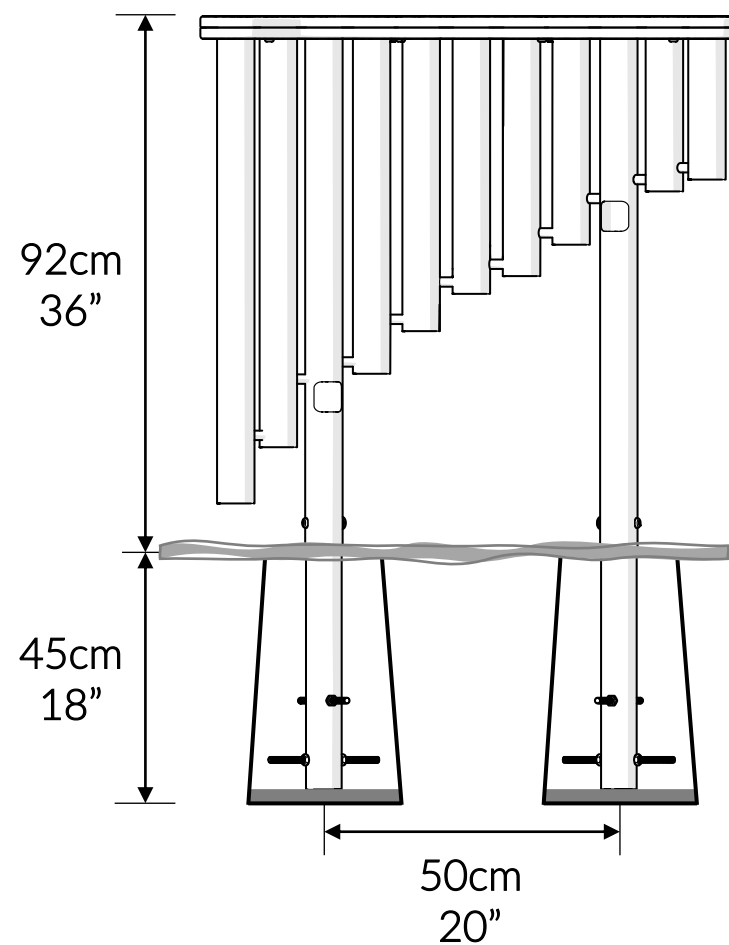
Part Reference	Description
PP-HAND-GR	Handpipes (Ground Fix)



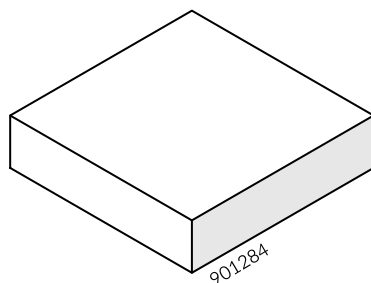




Check Risk Assessment



Packages

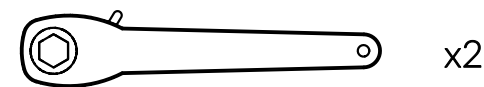


x1

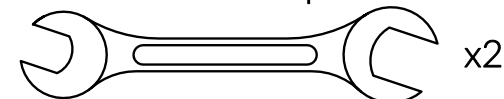
		L	W	H	Weight	Net
x1	901284	92cm / 36"	92cm / 36"	23cm / 9"	40kg / 88lbs	

Tools required (not supplied)

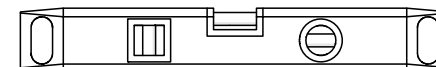
¼" Bit Driver Ratchet



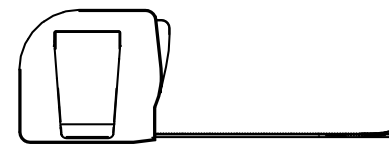
11/16" / 17mm Spanner

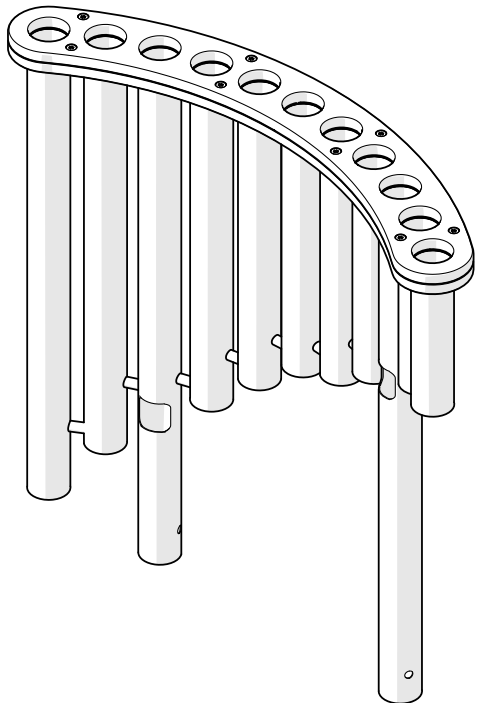
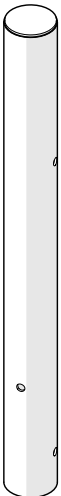
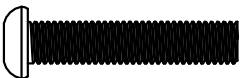
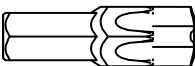


Spirit level



Tape Measure

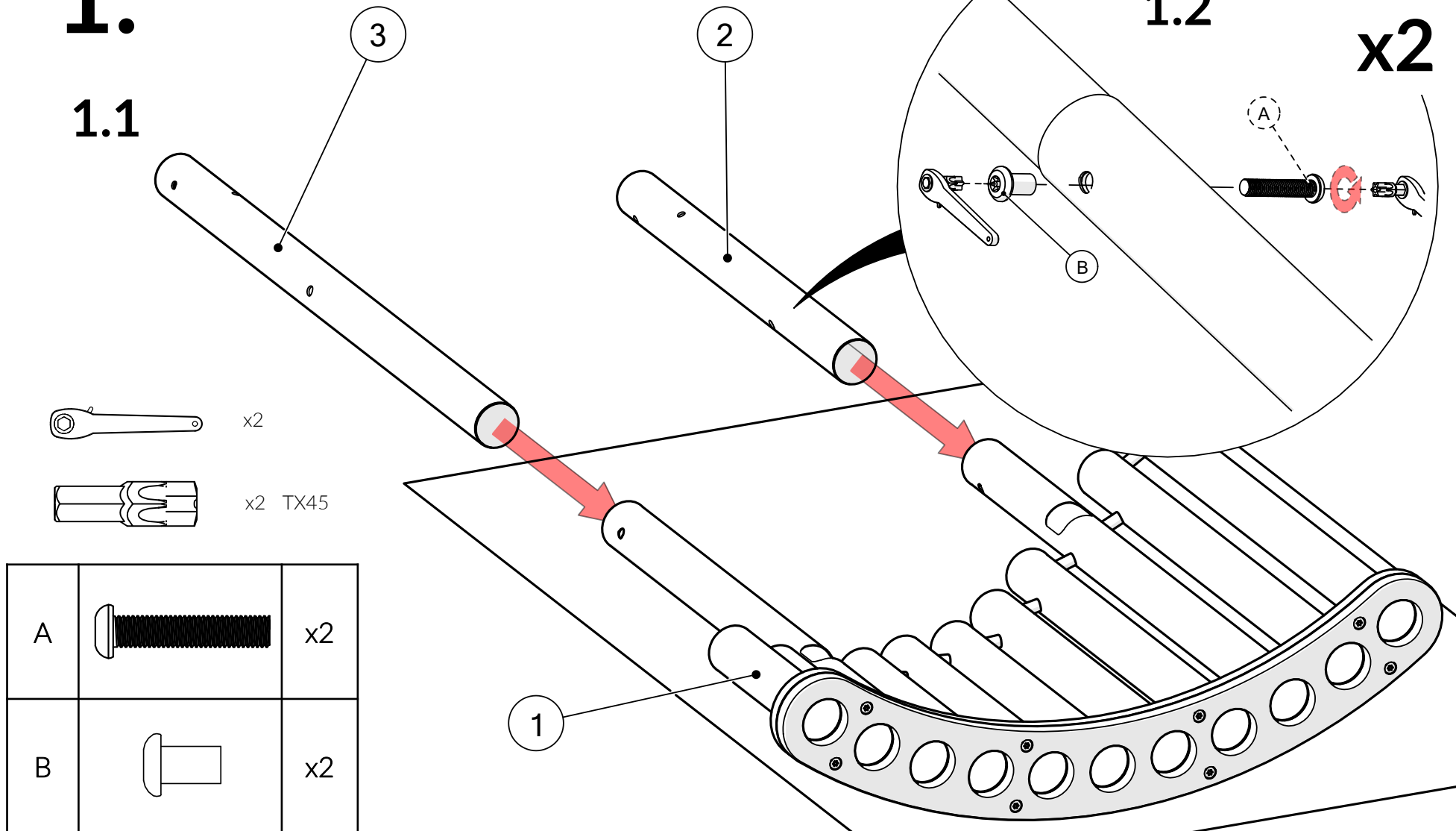


901284			
① x1 	② x1 804801 	Ⓐ x2 500572 	
		Ⓑ x2 500613 	
	③ x1 804802 	Ⓒ x8 500457 	
		TX45 x2 500720 	
			Ⓓ x4 500627

Not to scale

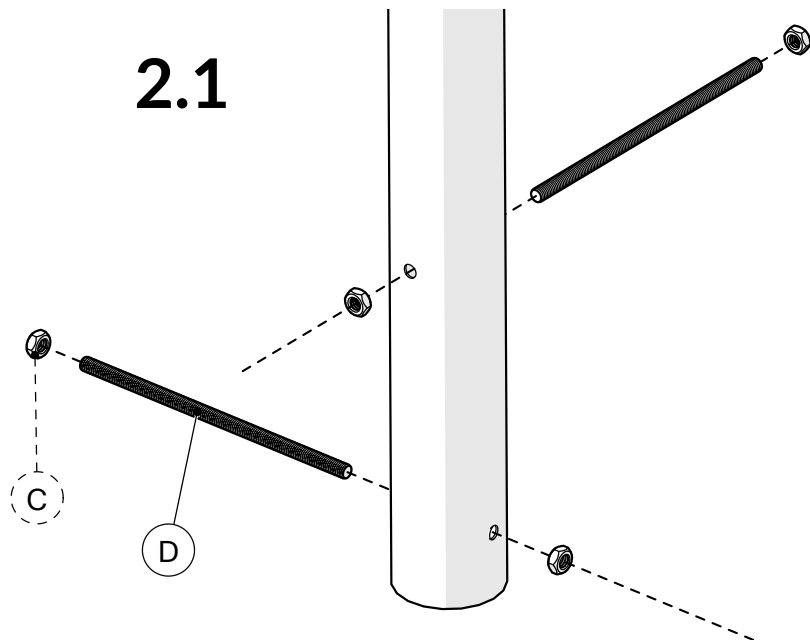
1.

1.1

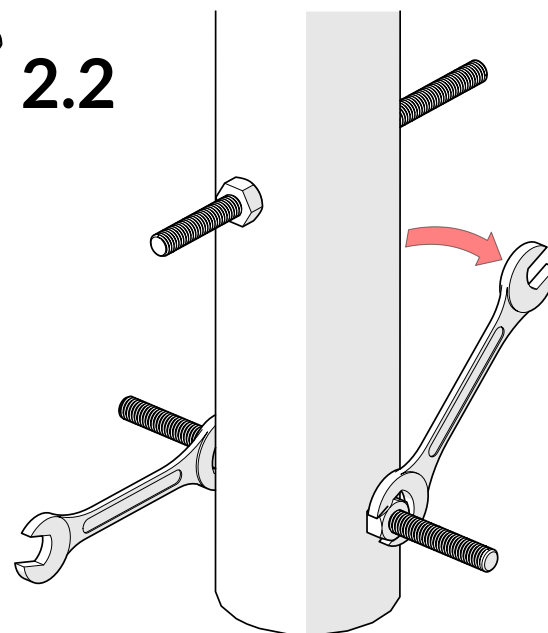


2. x2

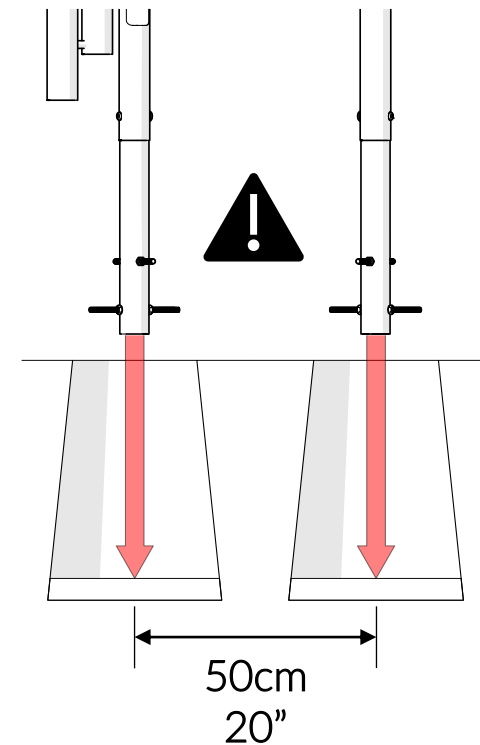
2.1



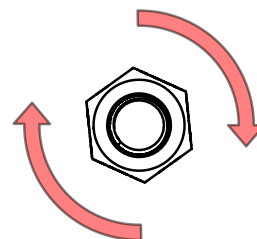
2.2



2.3



C		x8
D		x4

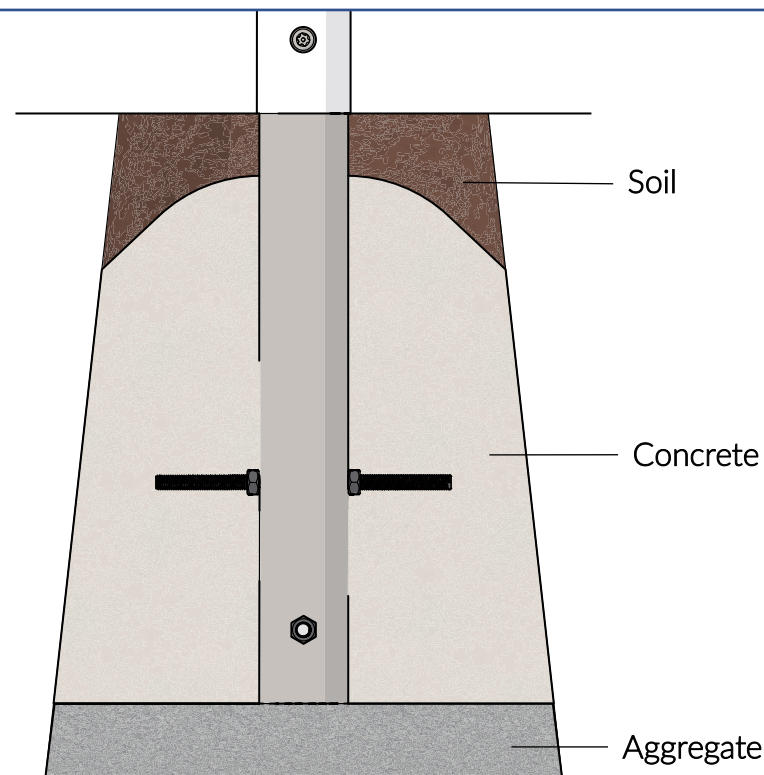
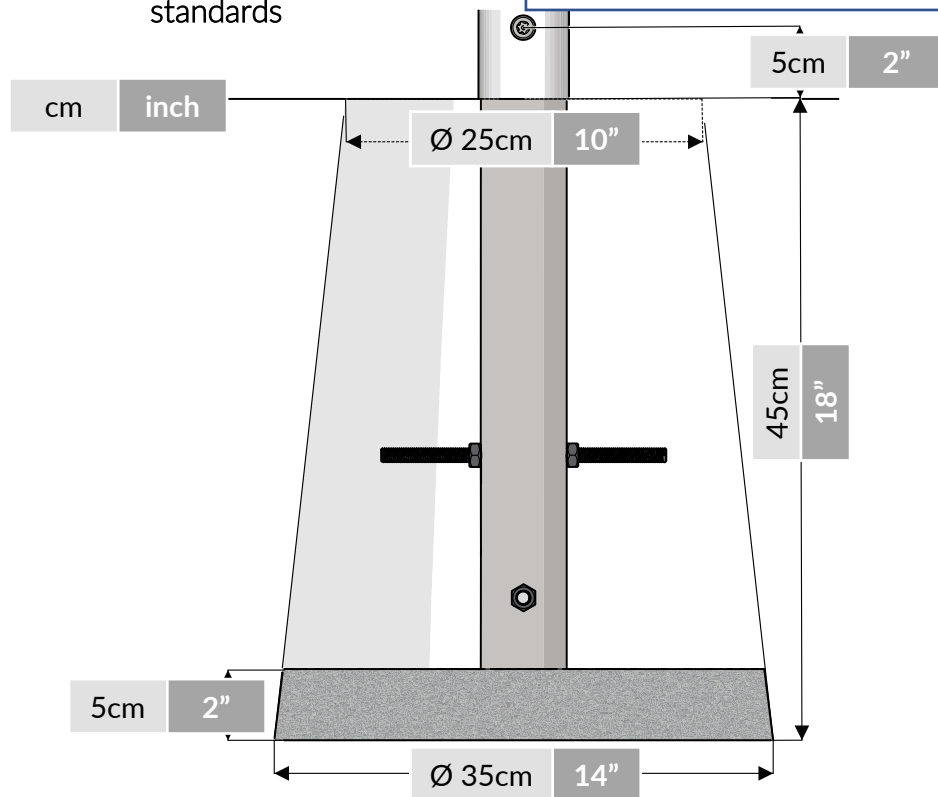
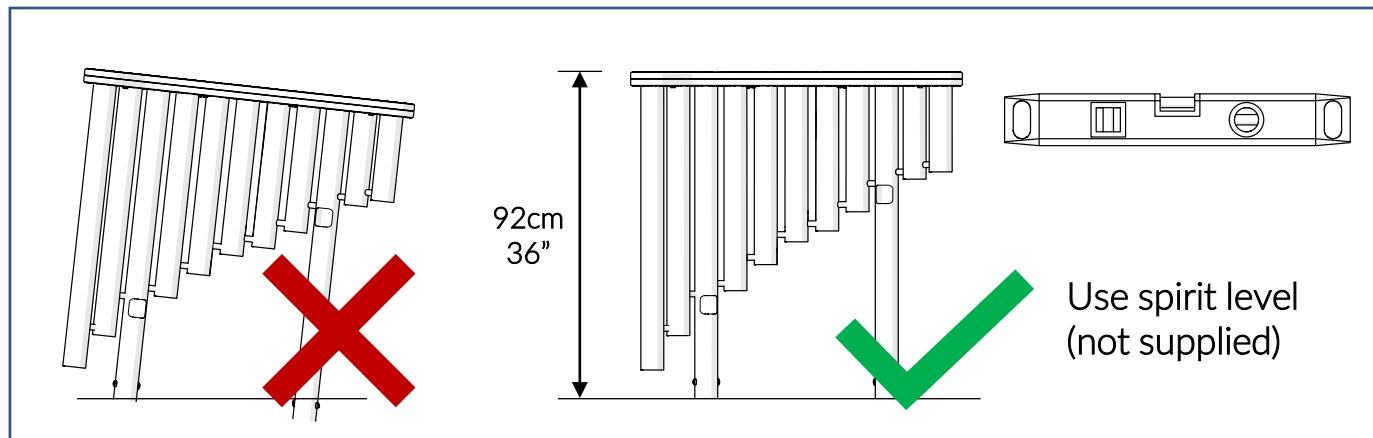


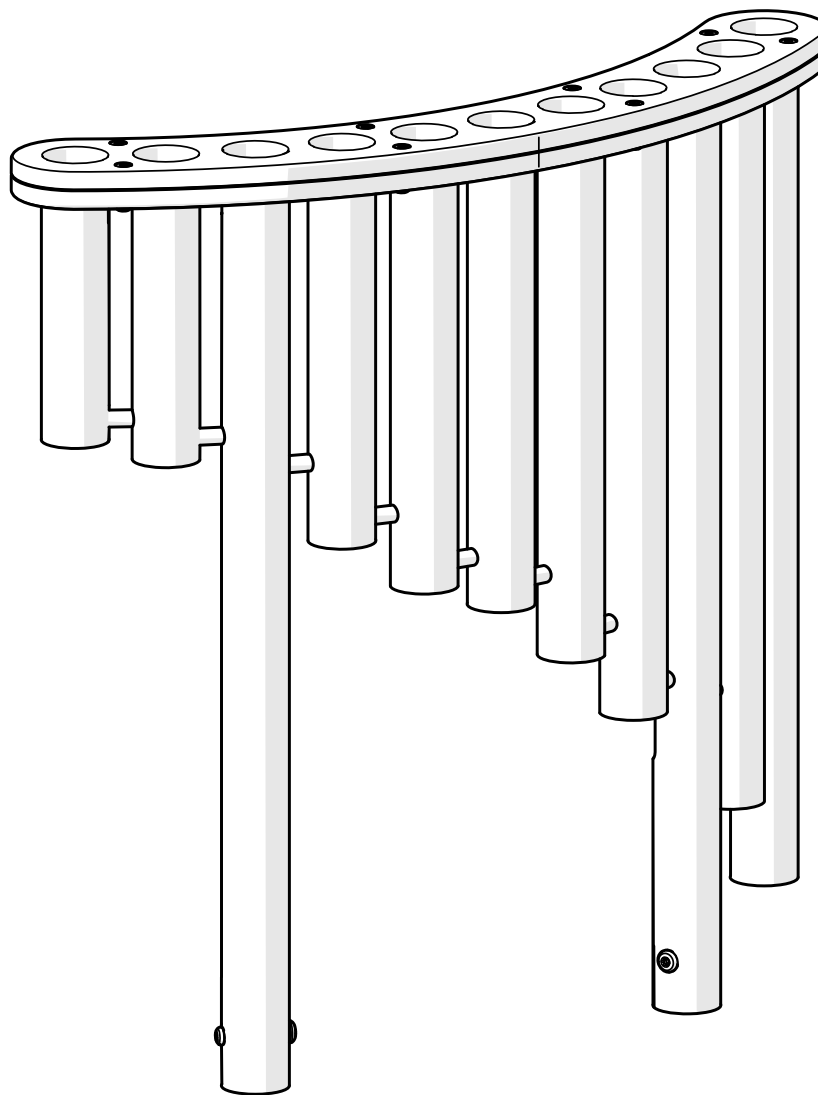
3. x2



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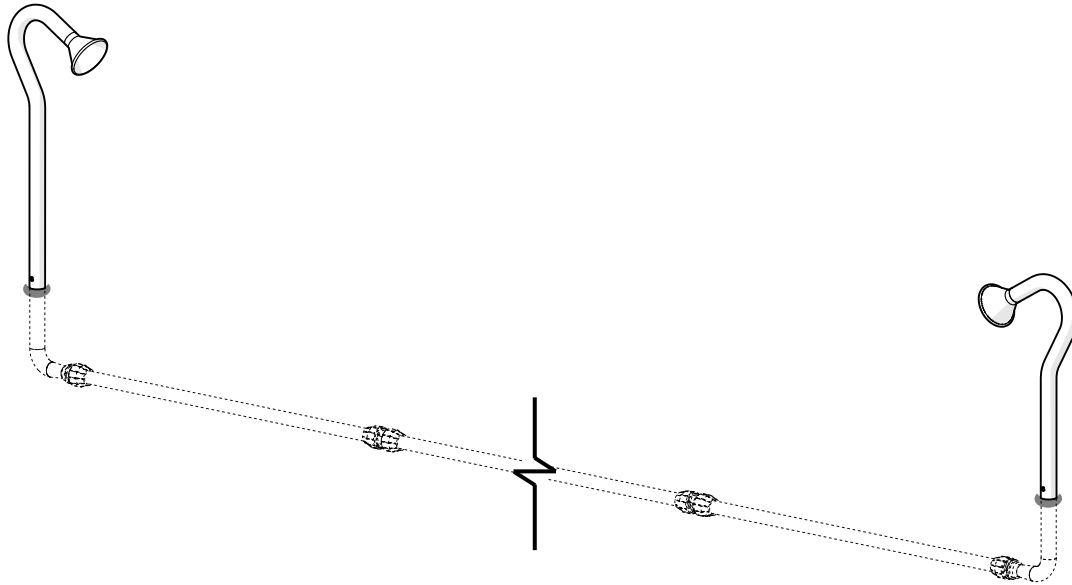
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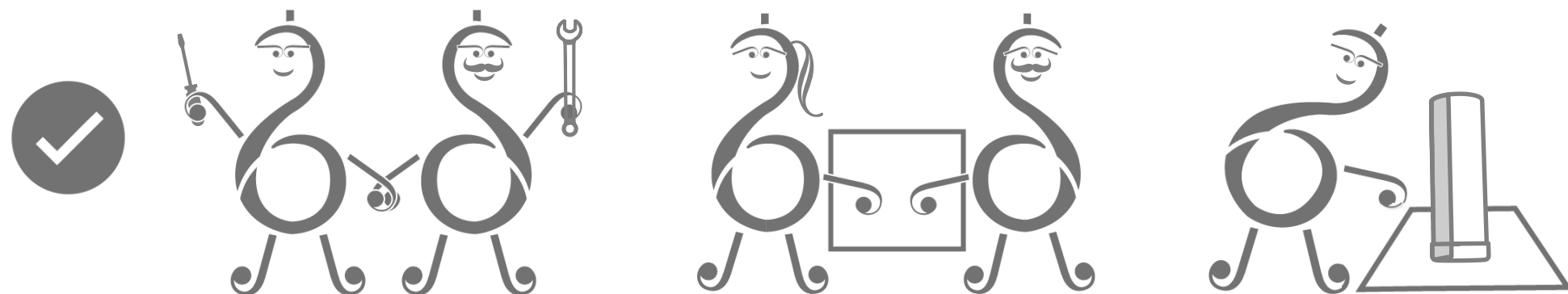
USA & CAN
[+1 \(866\) 882 9170](tel:+18668829170)

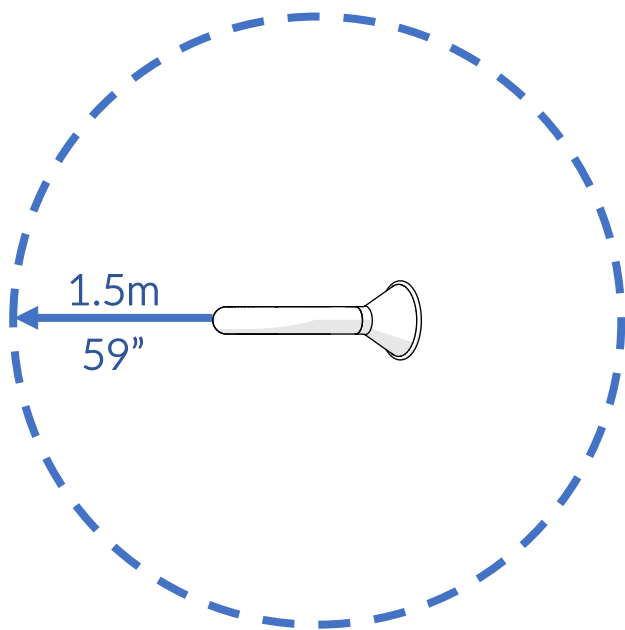
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[+44 1730 235 180](tel:+441730235180)



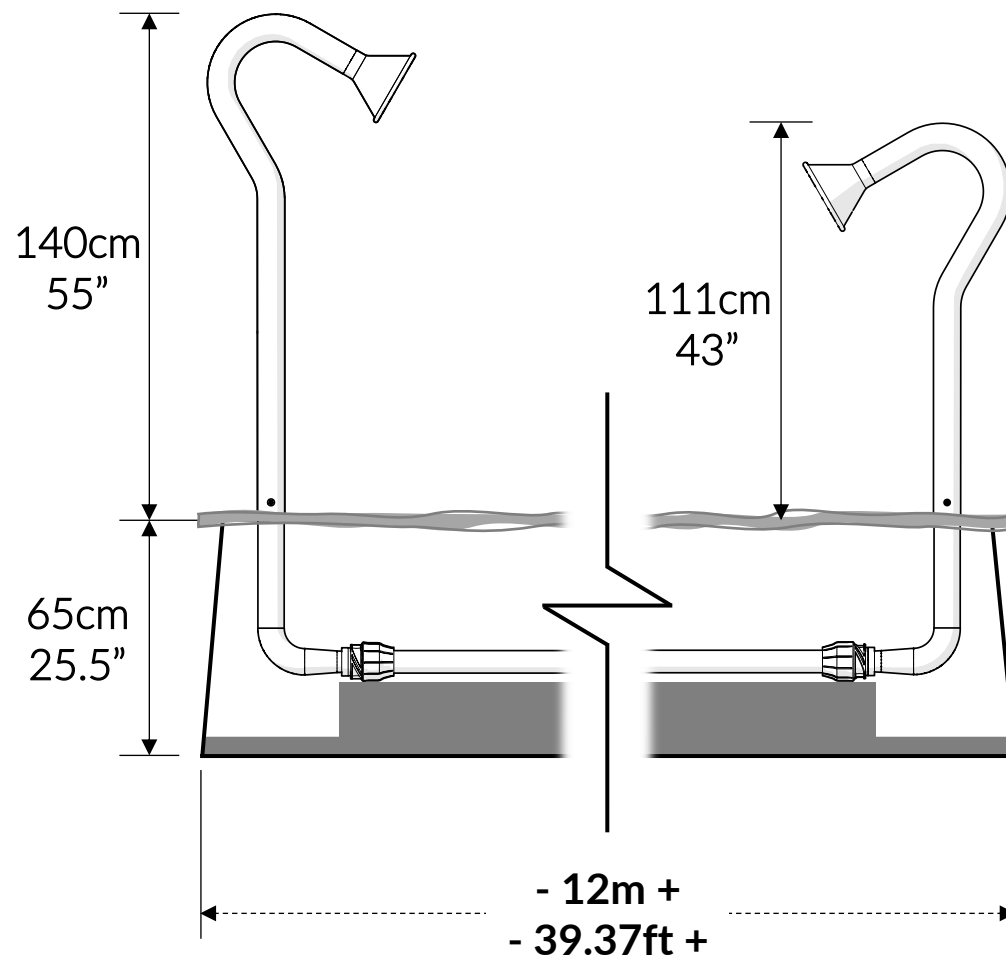
Part Reference	Description
PP-TALK-PR-GR	Stainless Steel Talk Tubes (Pair) (Ground Fix)



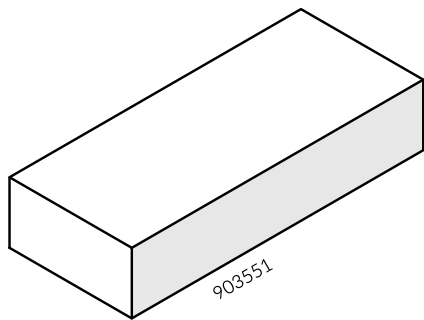




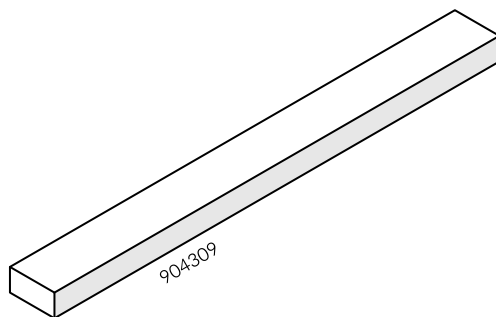
Check Risk Assessment



Packages



x1

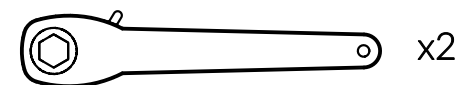


x1

		L	W	H	Weight	Net
x1	903551	143cm / 56"	60cm / 23.5"	30cm / 12"	37kg / 81.5lbs	
x1	904309	200cm / 31"	20cm / 8"	10cm / 4"	14kg / 30lbs	

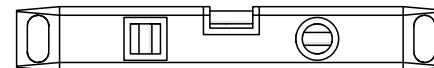
Tools required (not supplied)

1/4" Bit Driver Ratchet

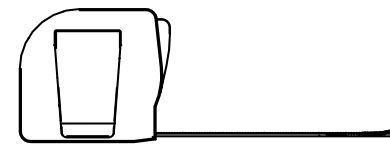


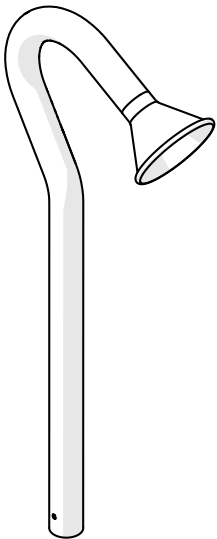
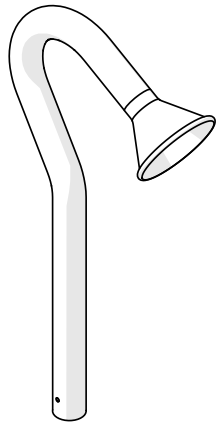
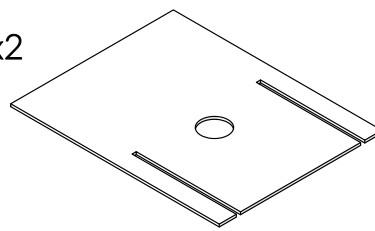
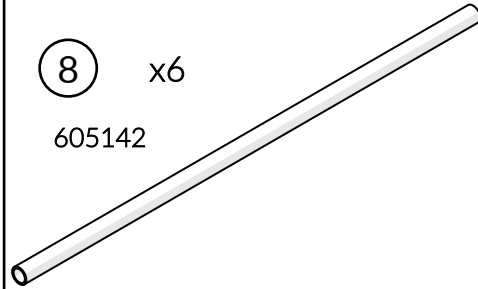
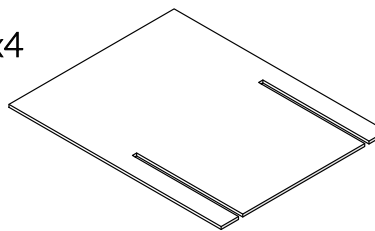
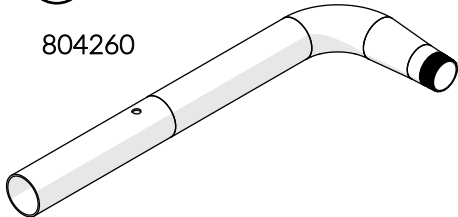
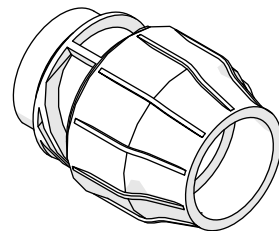
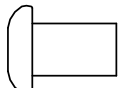
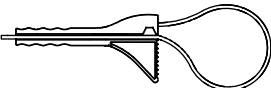
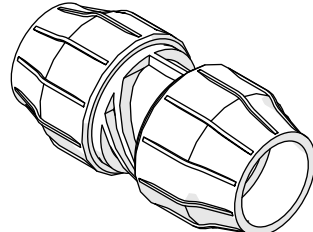
x2

Spirit level

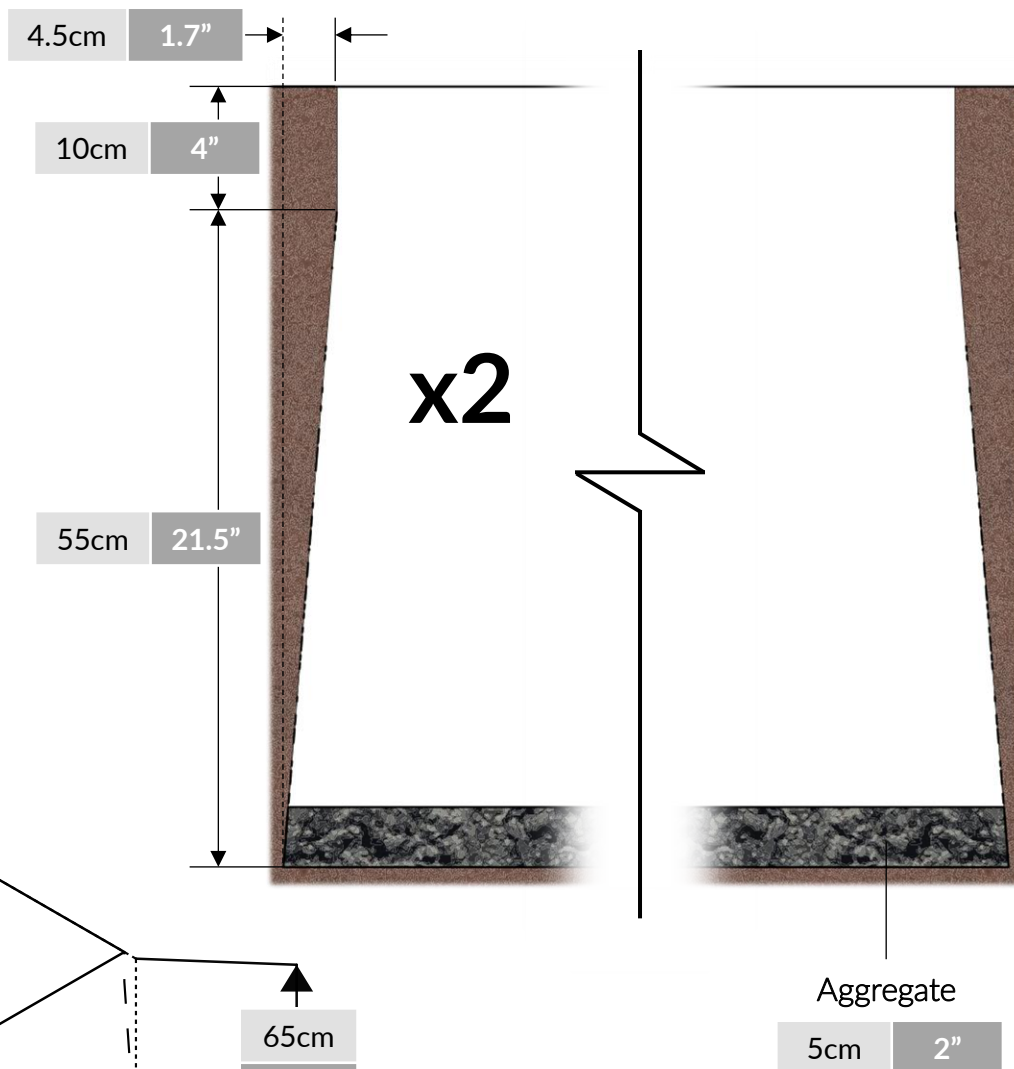
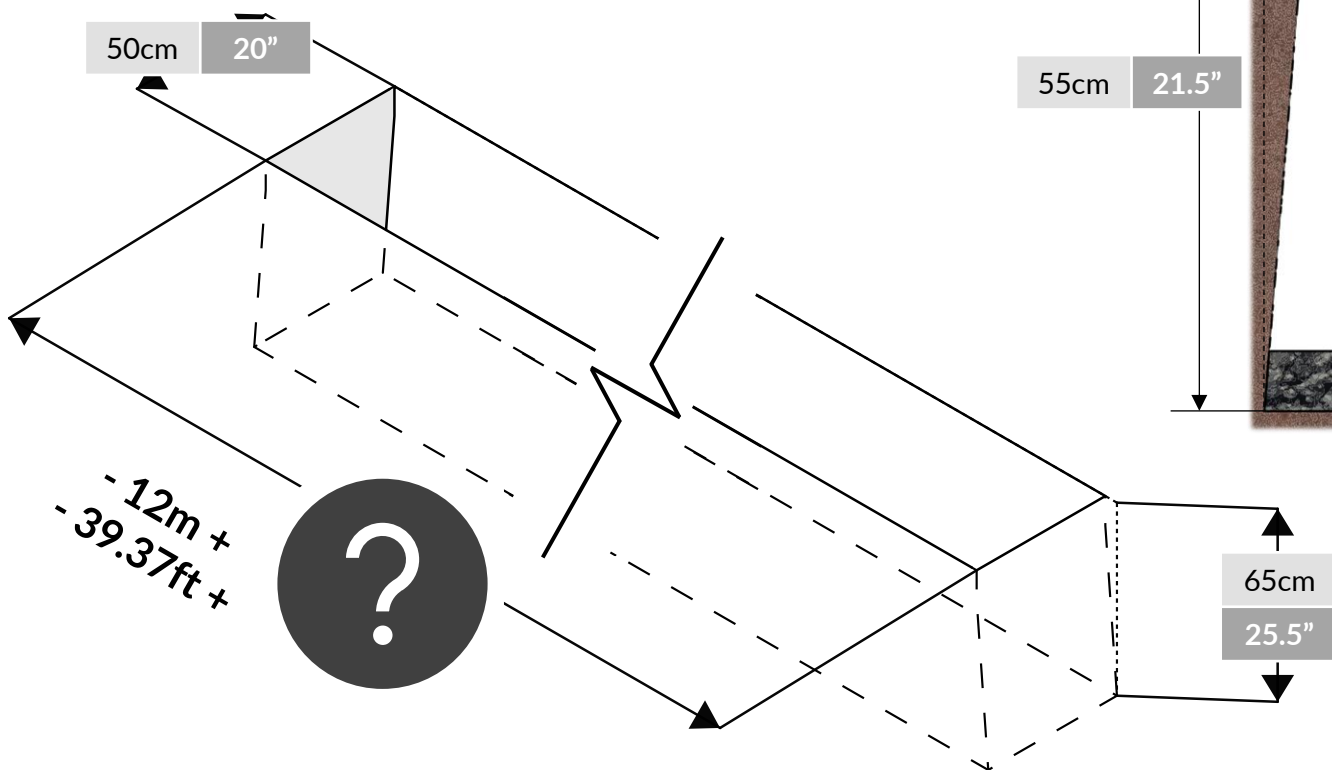


Tape Measure



903551			904309
① x1 804277 	② x1 804276 	④ x2 606157 	⑧ x6 605142 
		⑤ x4 606158 	
Ⓐ x2 500667 	③ x2 804260 	⑥ x2 603319 	
Ⓑ x2 500613 			
TX45 x2 500720 	Wrench x1 303321 	⑦ x5 603315 	

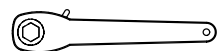
1.



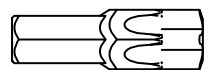
2. x2

2.1

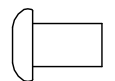
3



x2



x2 TX45

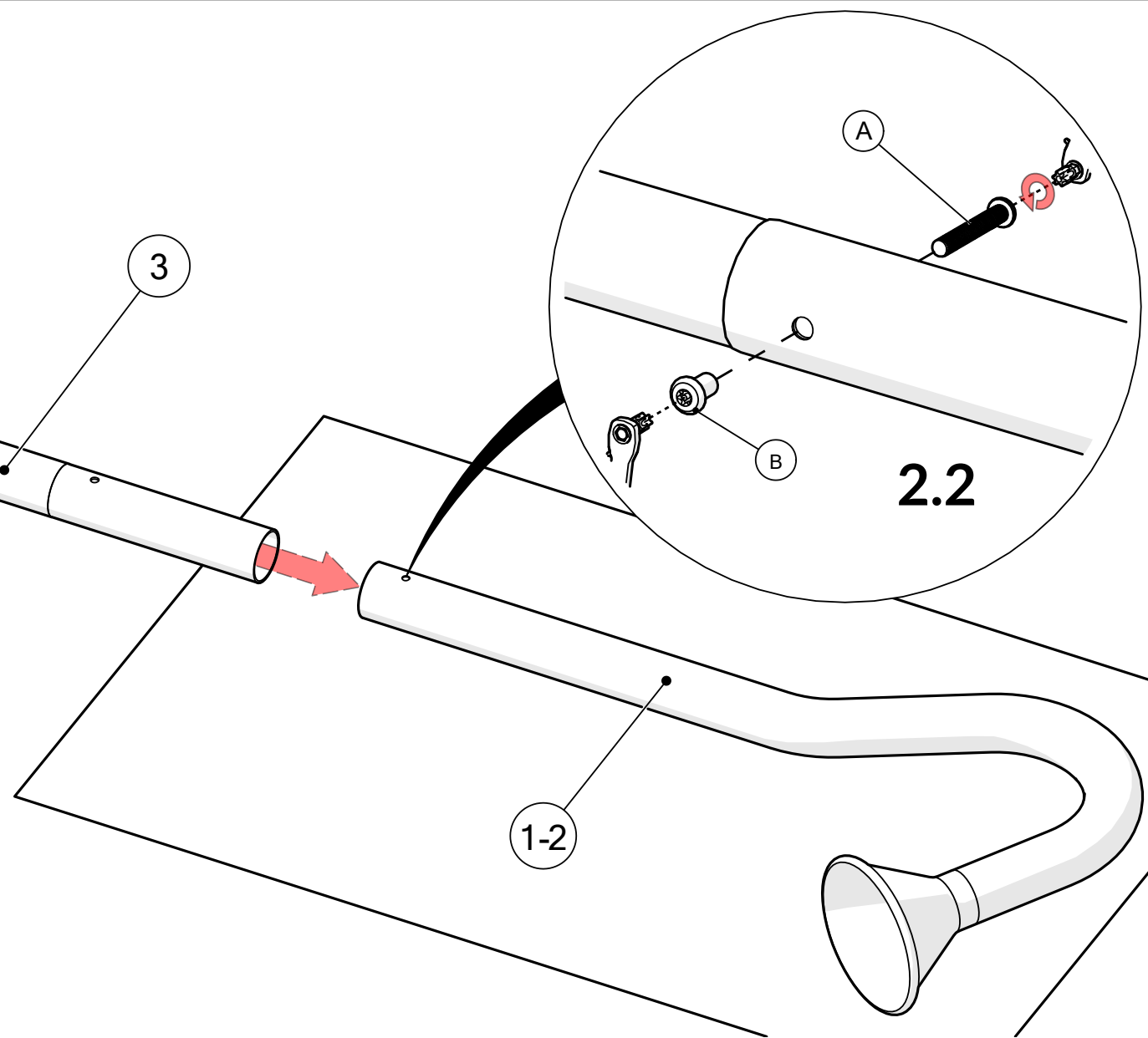
A		x2
B		x2

2.2

A

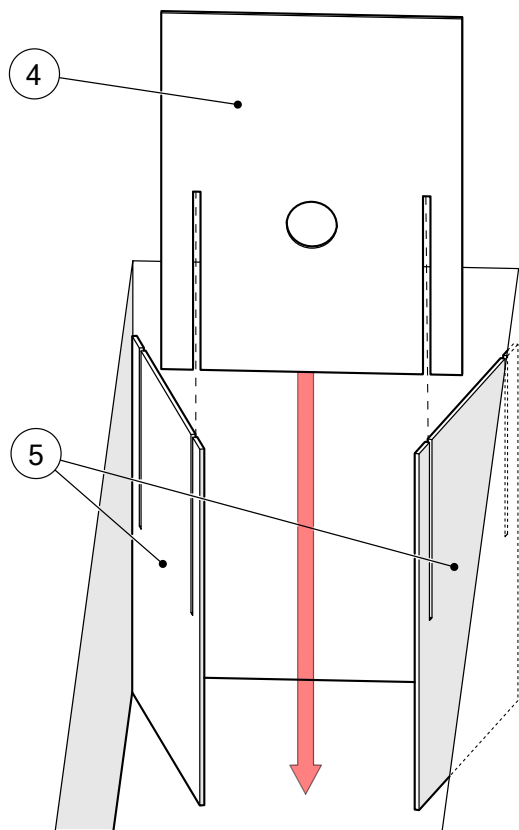
B

1-2

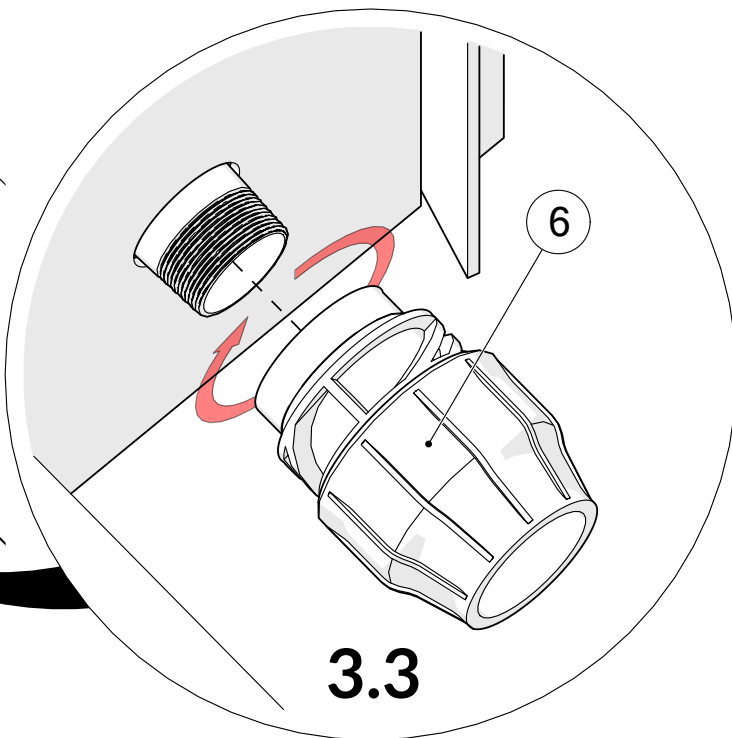
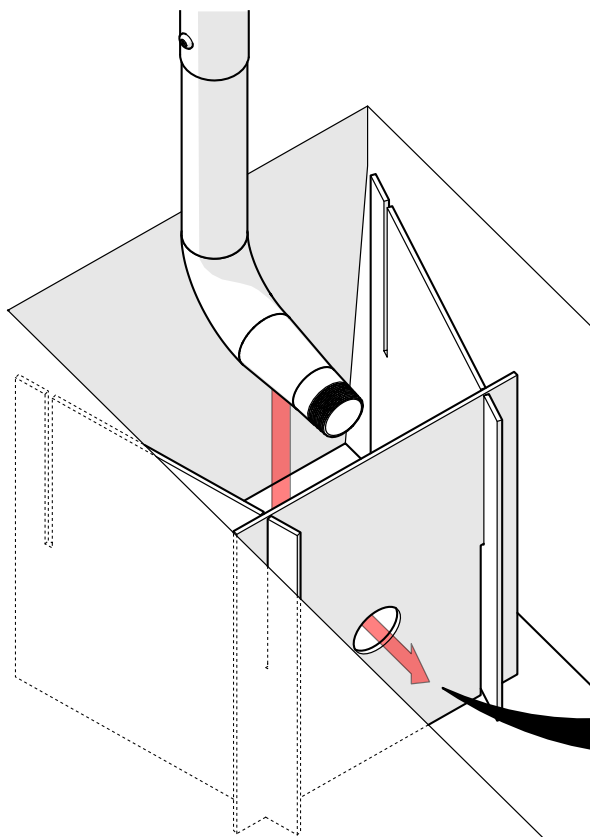


3. x2

3.1



3.2

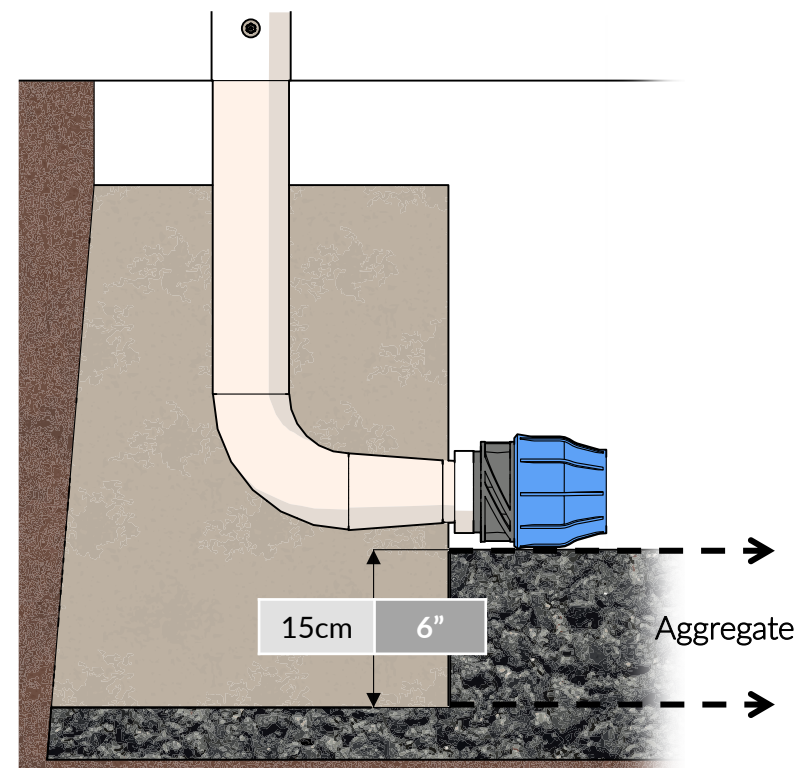
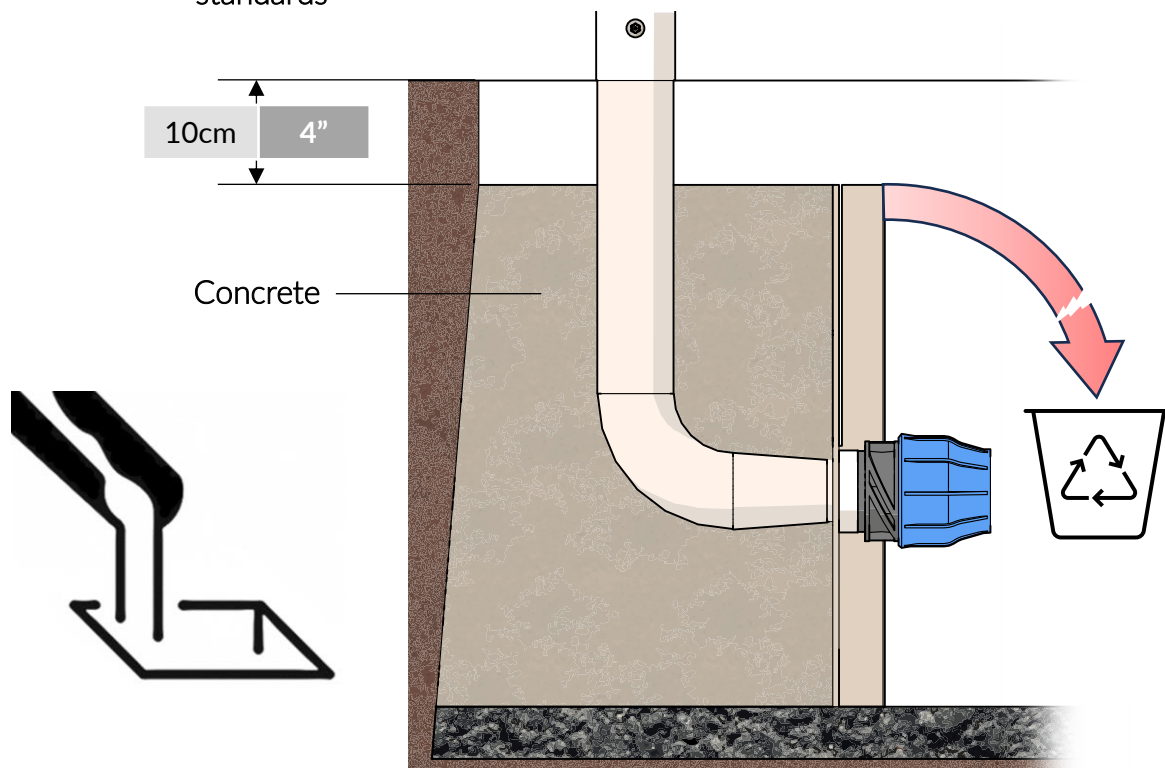
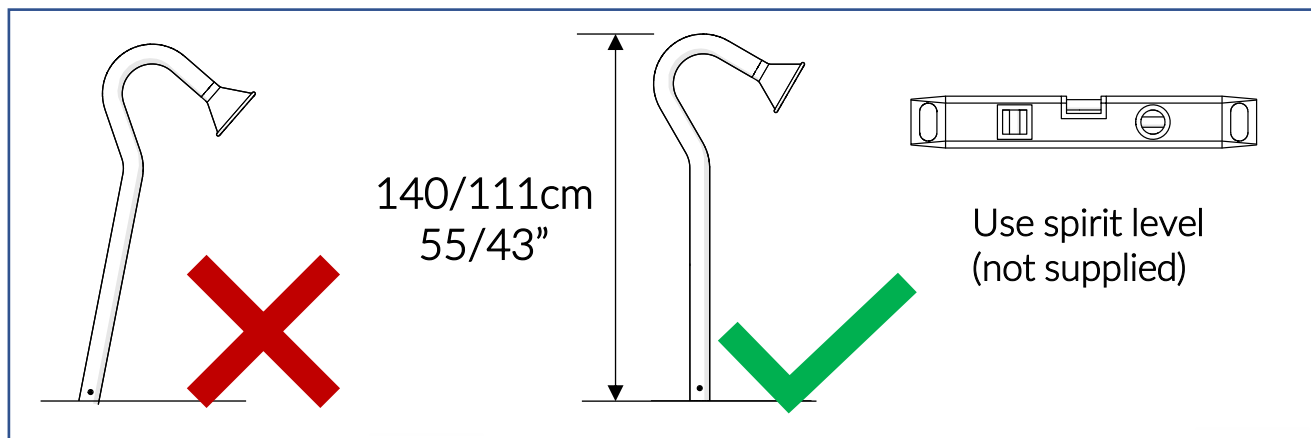


4. x2

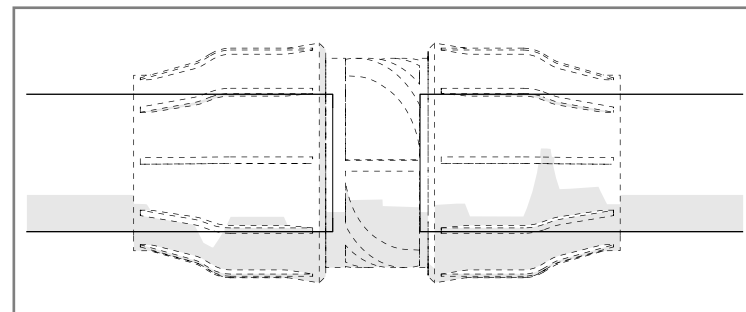
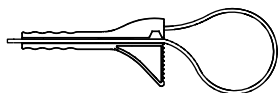
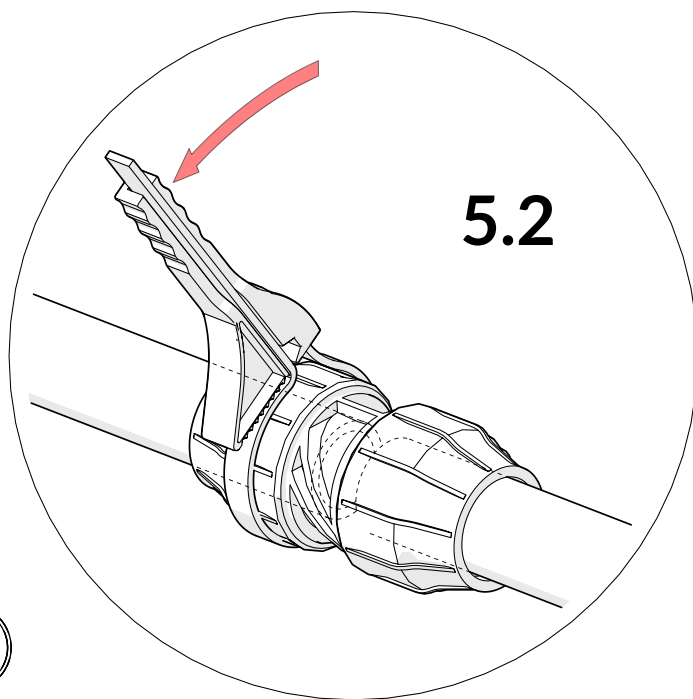


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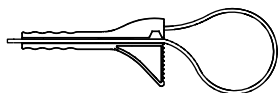
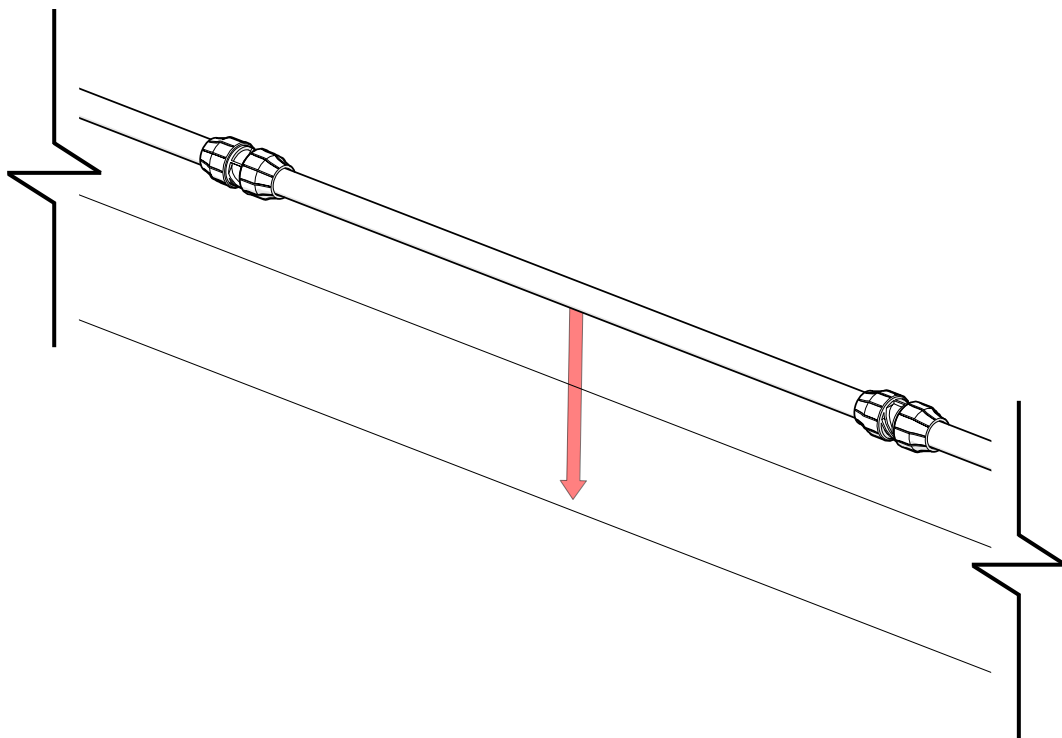


5.1

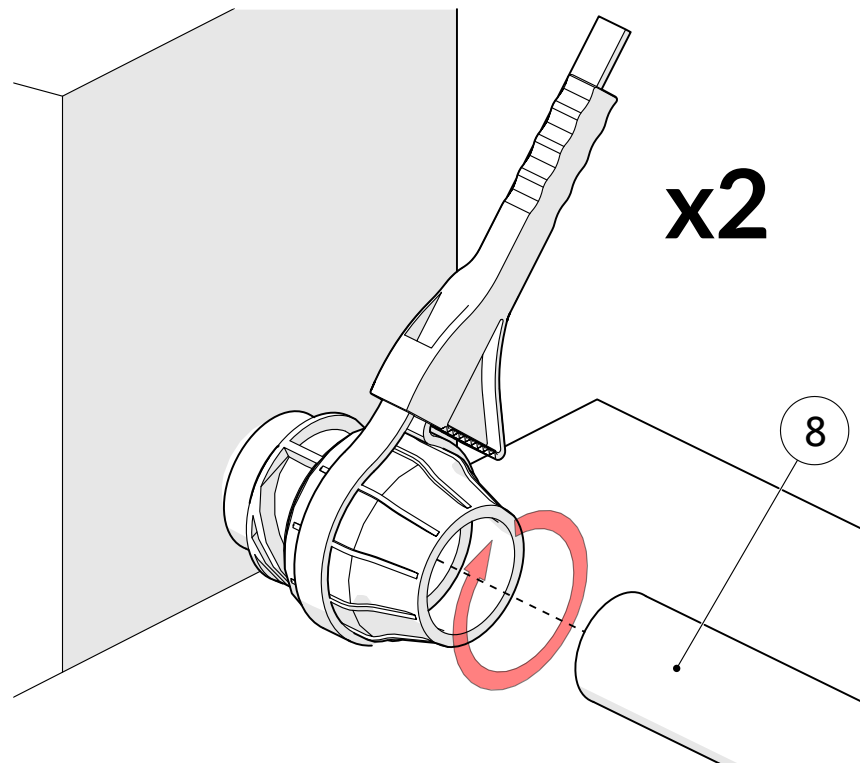


6.

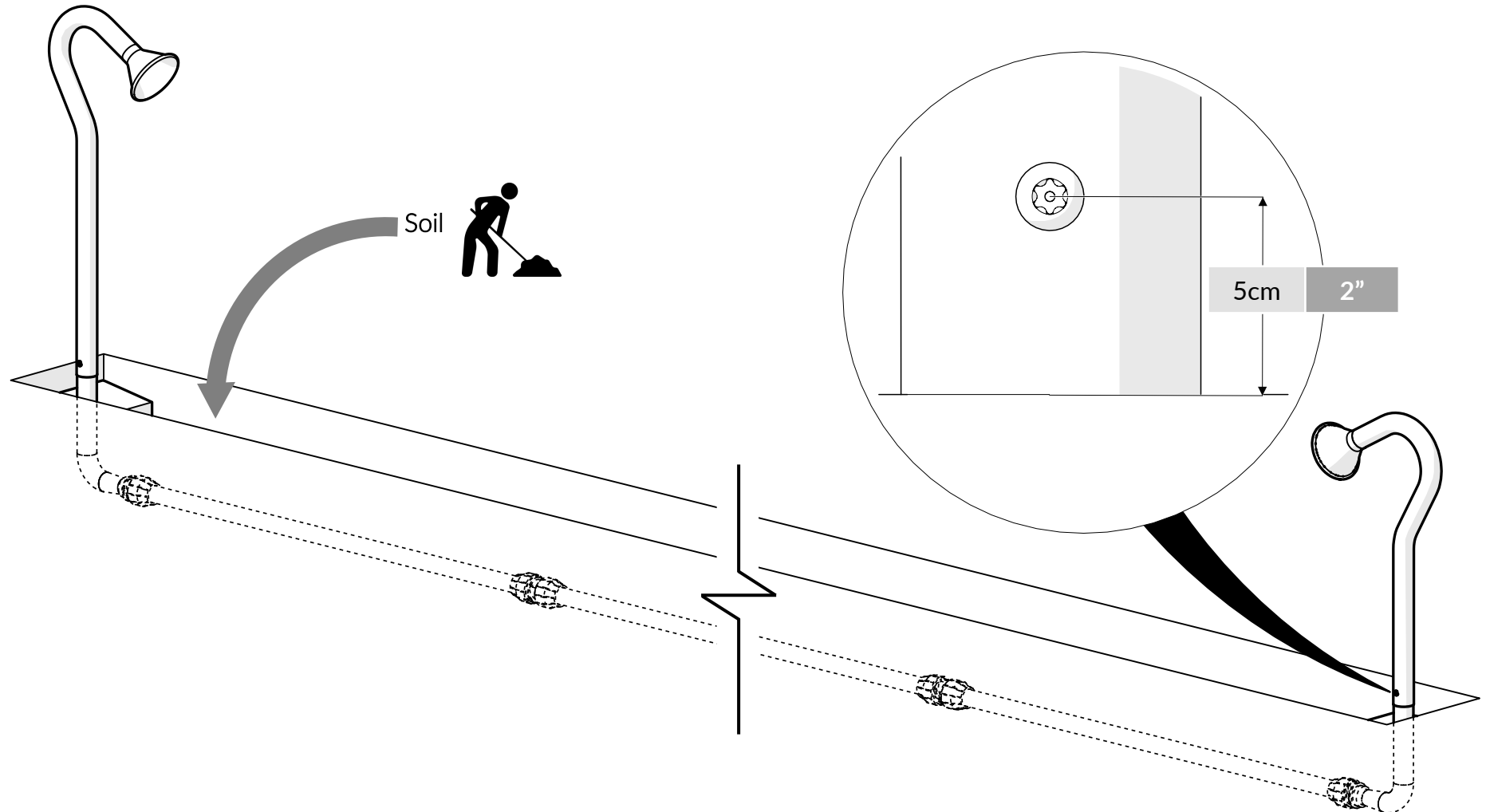
6.1

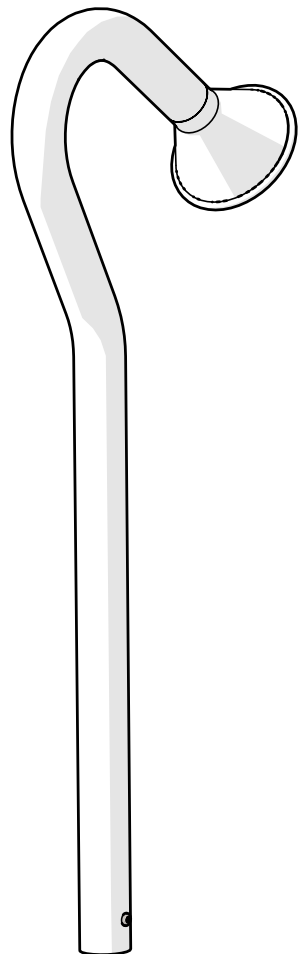


6.2



7.





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