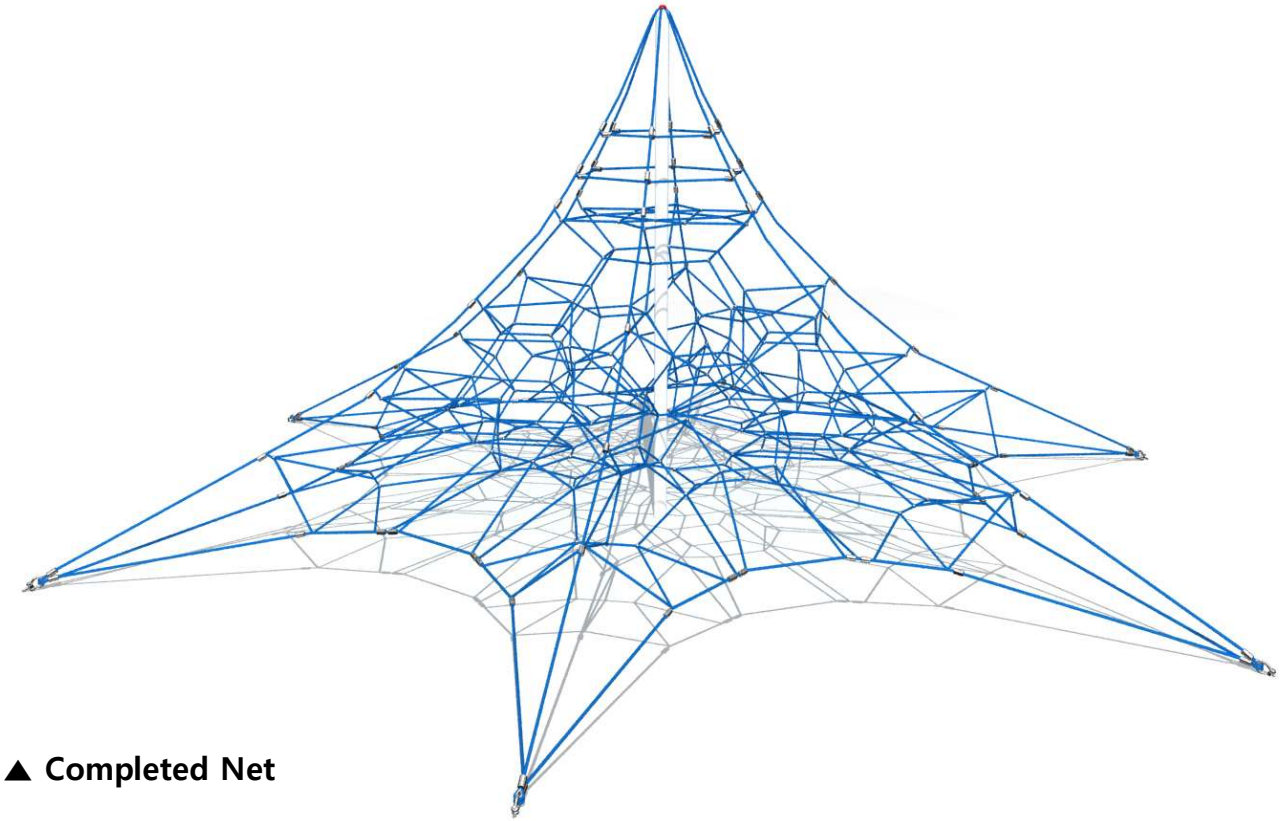
Features

The series is a six-sided climbing structure made of steel -loaded Nylon cables and comes protected against UV.

The GS-W6002 features GS Web Technology which includes the highest steel content and the strongest connection materials in the industry, including a steel-wire core in our edge ropes and connection points crushed in place with over 75 tons of pressure to ensure long life of the games and maximum safety for the children.

GS Web Nets help bring movement, balance, exercise and fun back into the playground.



▲ **Completed Net**

Caution!!
You have to construct foundation same level.
You have to keep foundation certain distance.

A. Minimum space(Use zone); L 17.33m x W 15.61m (EN), L 17.99m x W 16.27m (ASTM)

B. Surfacing requirements (including free height of fall and extent of surfacing); 0.85m

C. Details of the foundations and any specific provisions for their accessibility during inspection and maintenance;

- During installation, hardware and small parts are choking hazards for young children. Store Unused parts appropriately until assembly is completed. once assembly is completed, remove any unused parts from the play environment and dispose/save them in a secure location.

D. Overall dimensions of the playground equipment; L 14.00m x W 12.12m x H 5.70m

E. Mass of the playground equipment in kilograms; 1164kg

F. Guidance regarding the target user group for the equipment; 6 to 14 years / 84 children

G. If the equipment is intended only for indoor use or under supervised conditions; N/A

H. Availability of spare parts; Refer to Parts check list

Using aids where necessary.

Drill

Hammer

Torx wrench

Cargo Crane

Impact drill

- All equipment should be installed on a soft, resilient, energy absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user. (Refer to next page)
- ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- Equipment should be placed to eliminate conflicting traffic patterns.
- To reduce risk of clothing entanglement in compliance with EN1176, any bolt end protruding more than two full threads beyond the face of the nut shall be cutoff, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.
- Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.
- Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.
- GSWeb PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.
- Never add components not intended for use with this product.
- Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.
- Proper maintenance of GSWeb equipment requires regular tightening of all bolts, nuts, and set screws.
- All equipment should be free of rust and repainted whenever necessary to deter rusting.
- Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.
- Never use GSWeb playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.
- Check to be sure all fittings are tight and that the bars and pipes do not move.
- A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both front and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

Examples of commonly used impact attenuation materials, depths and corresponding critical gall heights.

No.	Material [a]	Description (mm)	Minimum depth[b] (mm)	Critical fall height(mm)
01	Turf / Topsoil			≤1000 [d]
02	Bark	20 to 80 grain size	200	≤2000
			300	≤3000
03	Wood chips	5 to 30 grain size	200	≤2000
			300	≤3000
04	Sand [c]	0.2 to 2 grain size	200	≤2000
			300	≤3000
05	Gravel [c]	2 to 8 grain size	200	≤2000
			300	≤3000
06	Other materials and other depths	As tested to HIC (See EN1177)		Critical fall height as tested

[a] Materials properly prepared for use in children's playgrounds
[b] For loose particulate material, add 100mm to the minimum depth to compensate for displacement(see 4.2.8.5.1)
[c] No silty or clay particles. Grain size can be identified by use of a sieve test, such as EN 993-1
[d] See NOTE 1 in 4.2.8.5.2

Impact attenuating surfacing should always be maintained in the following conditions.

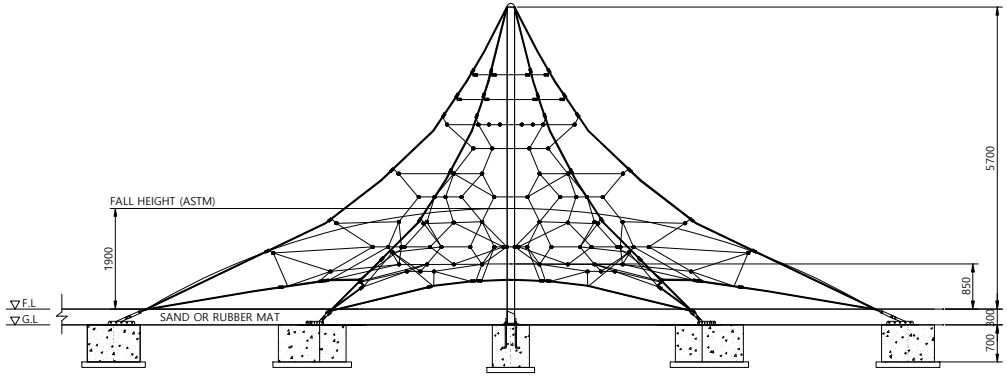
Inspect the materials and thickness of the shock-attenuating surface every one year. If insufficient, discontinue use of the playground and reopen it after the test.

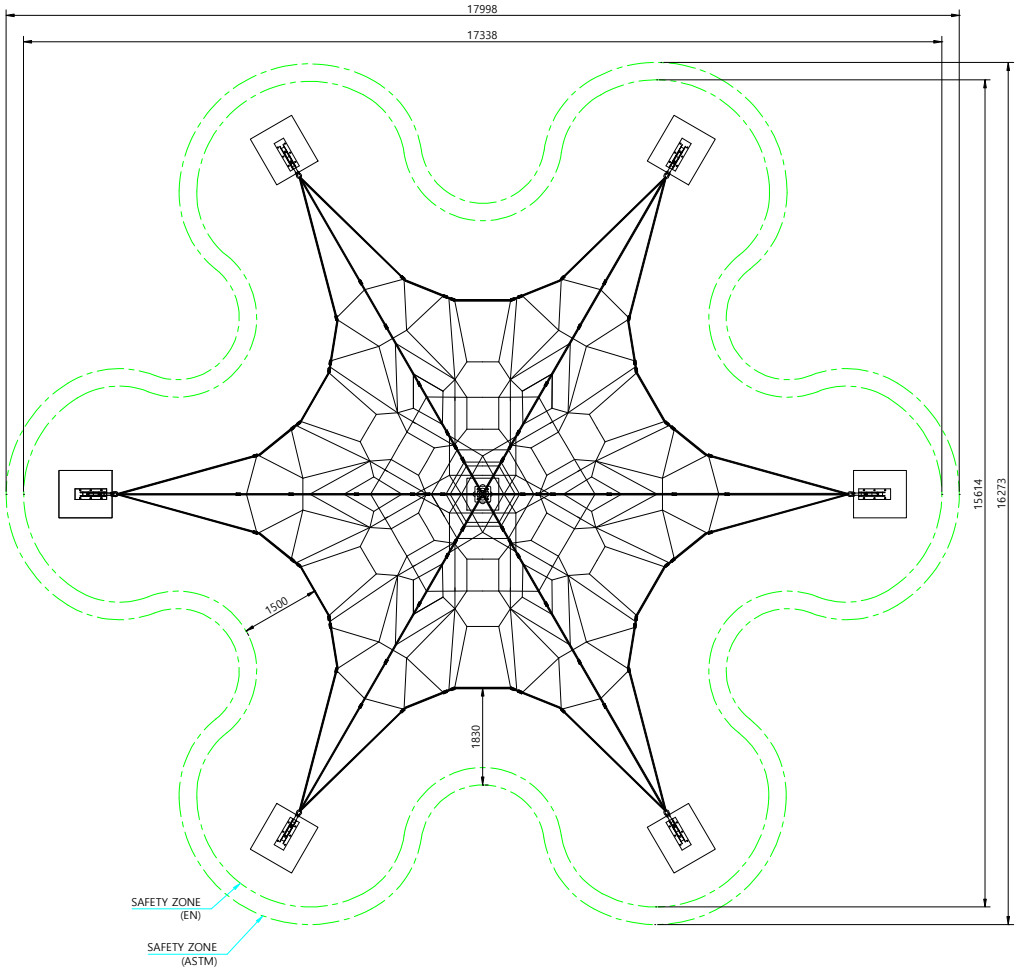
Safety area

The requirements for space and safety clearances are taken from
BS-EN 1176-1/ ASTM-F1487/ CSA Z614
The use zone for stationary play equipment shall extend no less than
72 in.(1830mm) from all sides of the play structure.

Fall Height : 850mm (from surface)

The Fall height on the extennal surface of a pyramid shaped space net is the highest point attainable on the edge of the structure where an unimpeded fall to the protective surface is possible. This height is based on the centre of gravity height of the maximum user.





▲ **Fall height and Safety Zone**

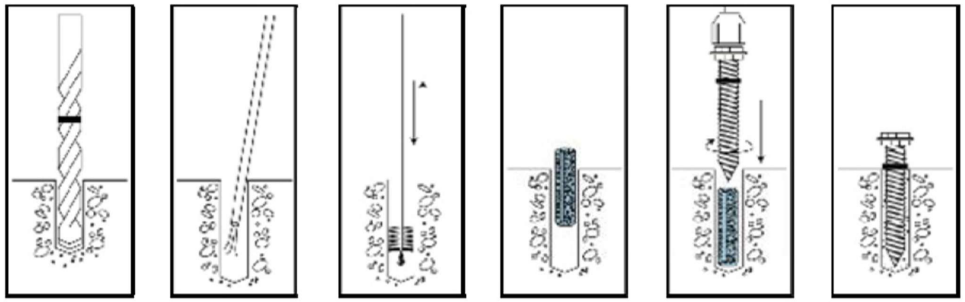
Foundation Detail F1 ~ 2

Pouring Concrete

Pour concrete* into wooden support frame until flush to top edge
Allow 3-5 days for concrete to cure before proceeding to next step.

*Concrete is to be wet concrete with
minimum 25 MPA / 3500PSI.

* How to construct the CHEMICAL ANCHOR



① Drill on the concrete floor.

②③ Clean up the hole.

④ Insert the Chemical Anchor.

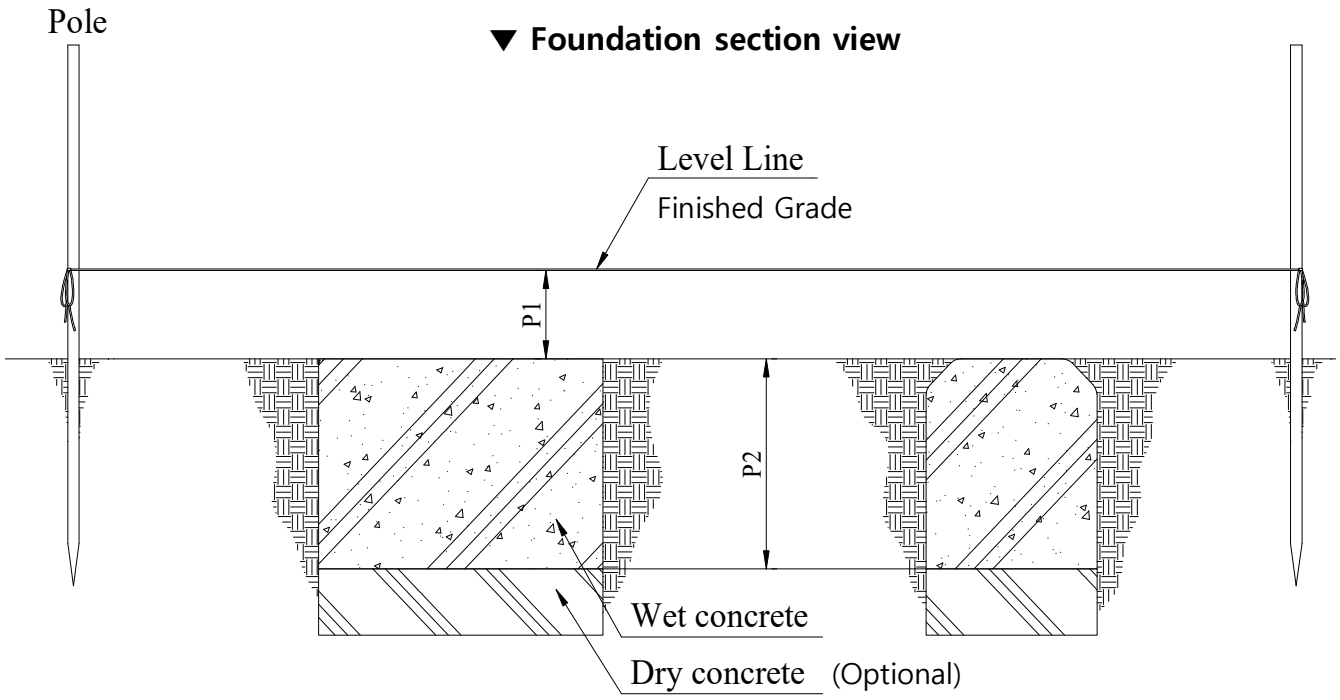
⑤ Insert the anchor bolt.

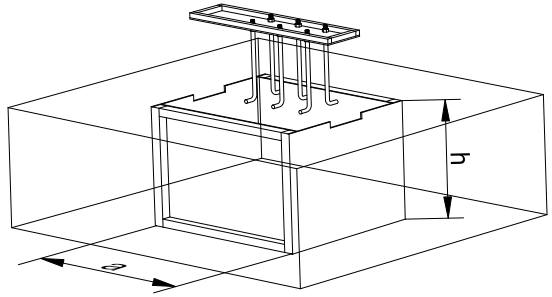
Foundation No.	Size (m)	Q'ty (EA)	BOLT SIZE	BOLT Q'TY
F1	1.00 x 0.90 x 0.70	6	7/8"x500L L-Anchor B/N	36
F2	0.60 x 0.60 x 0.70	1	M20x240L Chemical Anchor B/N	4

Foundation

Please refer to GS-W6002 drawing for exact installation dimensions

Caution!!
You have to construct foundation same level.
You have to keep foundation certain distance.



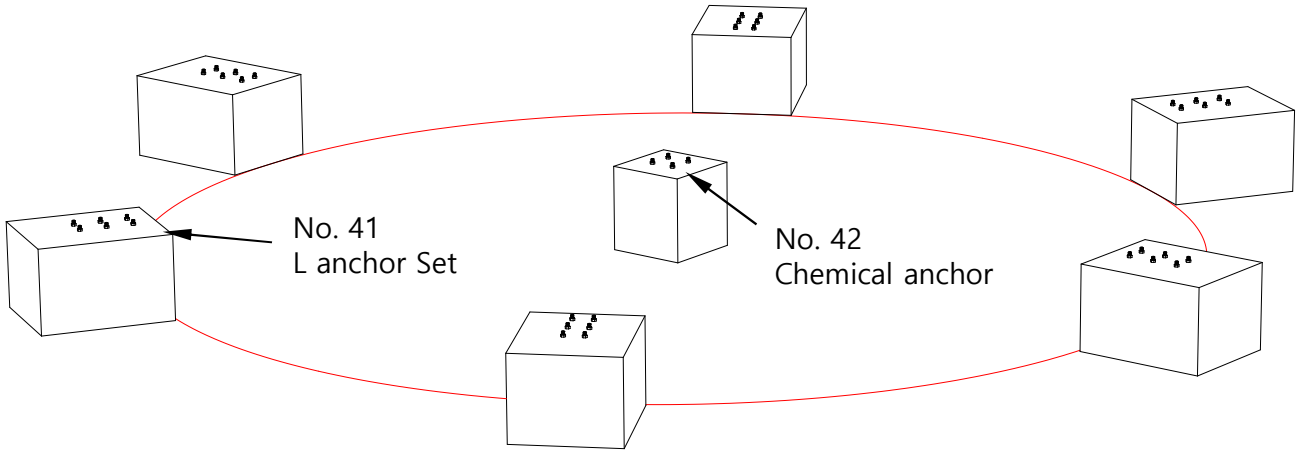


▲ Excavate enough materials to allow for proper depth of concrete footings

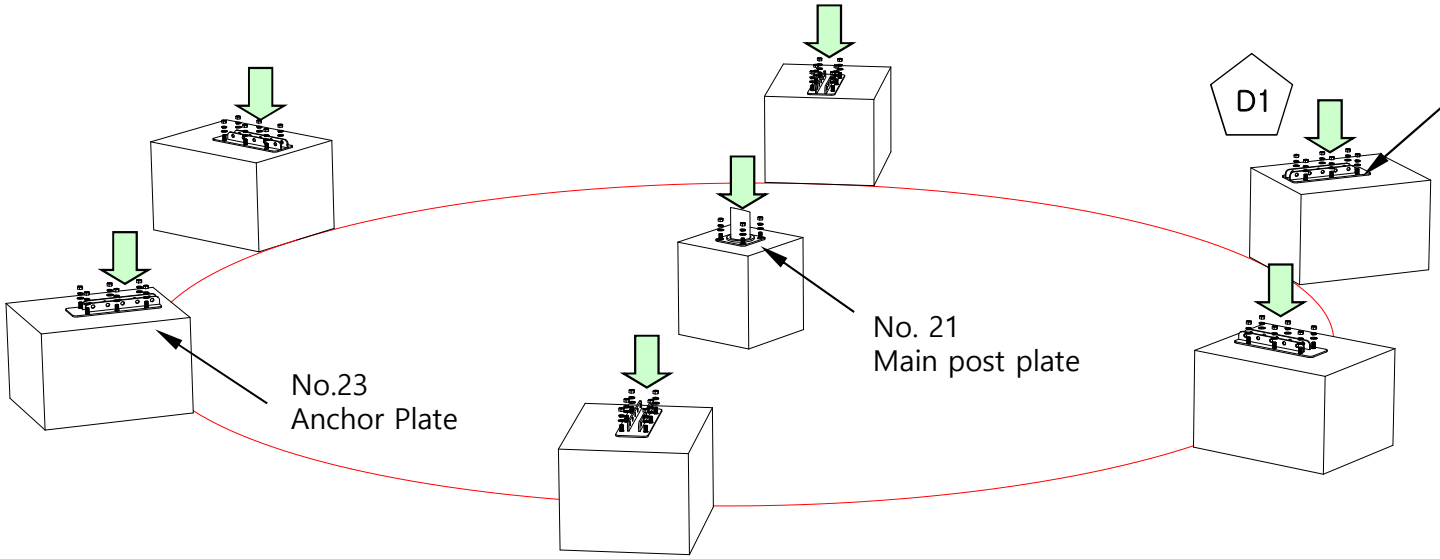
Also ensure that there is enough space to allow the frame to be positioned properly.

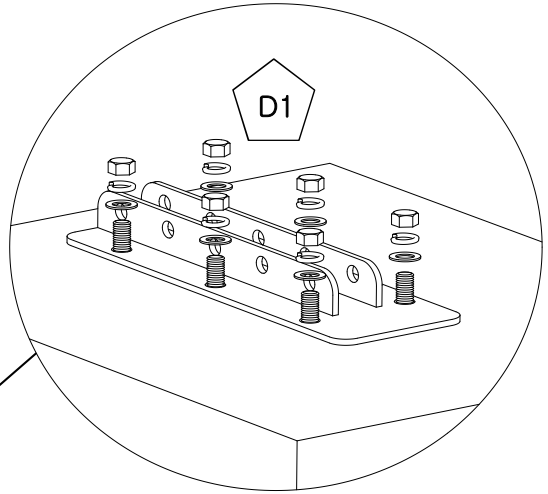
Anchor wood support frame to ground with pickets to prevent the frame from moving while concrete is poured and sets.

P1 = Depth below finished Grade (12" / 300mm)
P2 = Depth of concrete footing (27-½" / 700mm)



▲ **Concreted block**





Detail 1

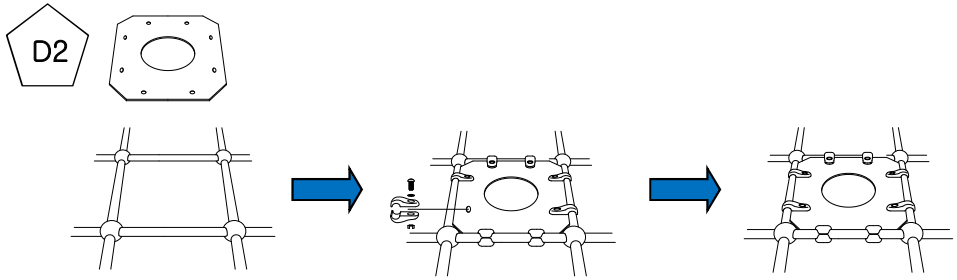
Concrete block-clean threads of "L" anchor bolts.
Attach Anchor plate to footing

▲ **Attach Anchor plate to footing with flat washer, locking washer and nut**

Overall Assembly

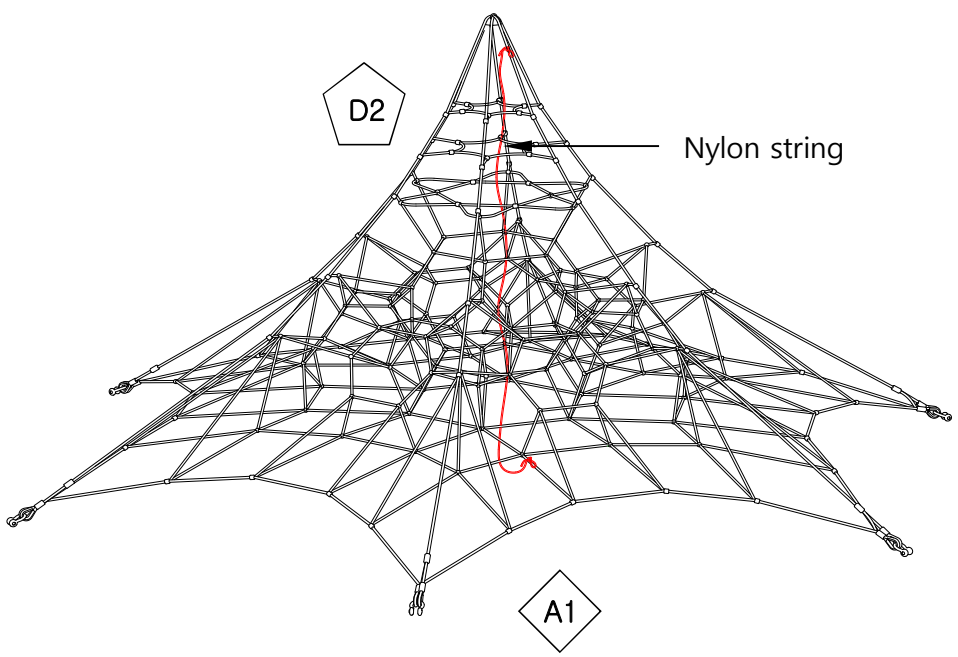
Assemble the parts in the following order:

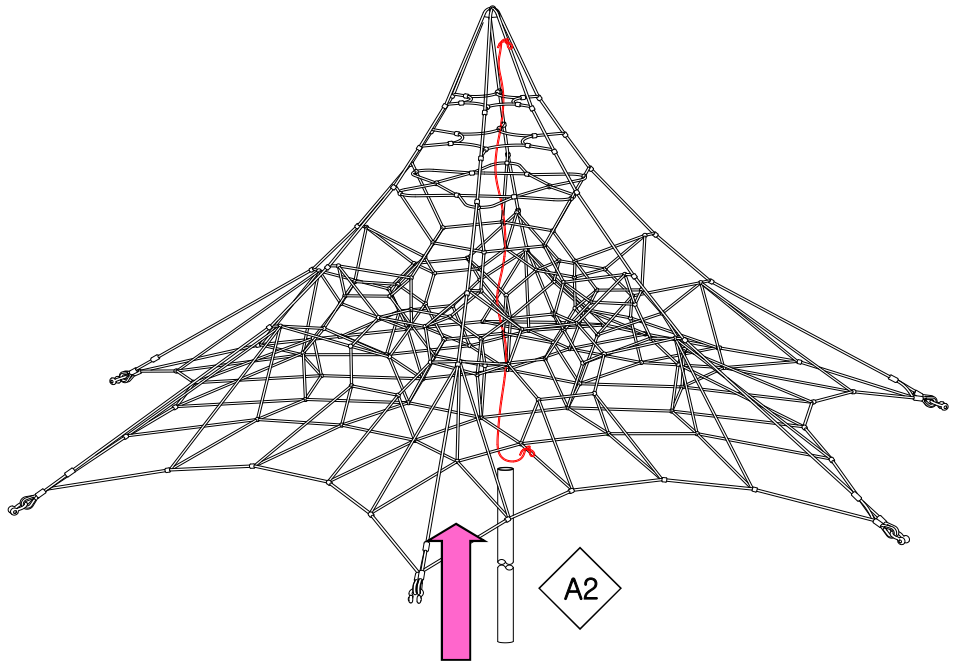
1. Find Nylon string
2. Insert Post following nylon string



Detail 2

Rubber pad is preassembled in production.

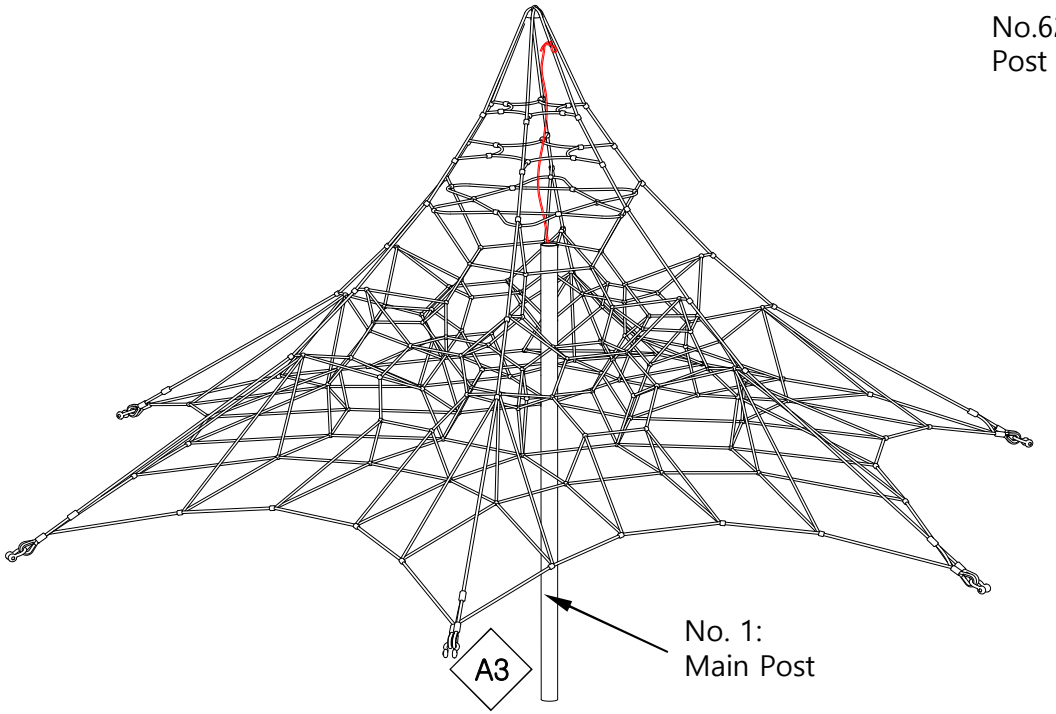




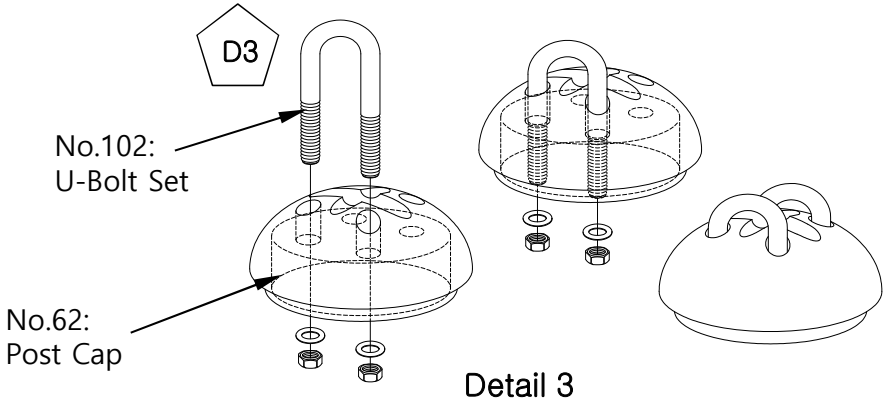
NOTE: Remove string prior to placing cap on post

Place Cap on Post

Thread the mast through the net's center (per diagrams below, or following factory-installed guide string). Press the cap (already attached to the top of the net) into the mast's top end

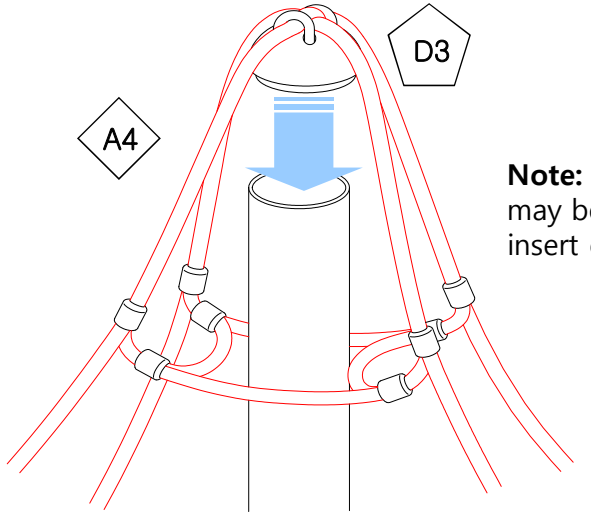


▲ **Post Assembly**



Detail 3

U bolts are preassembled with net in production.



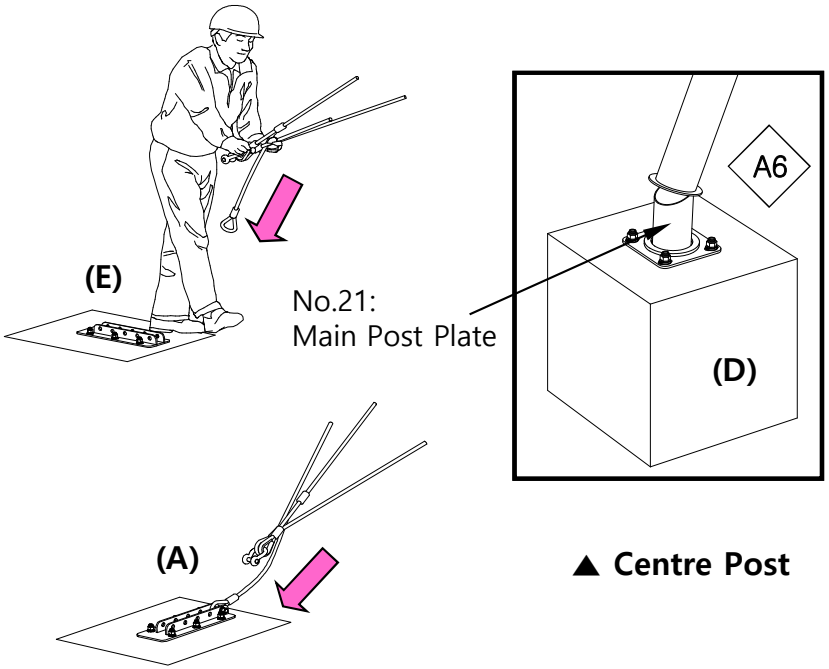
Note: Rubber mallet may be required to insert cap into post.

5. Attach safety cable to anchor plates as shown below process

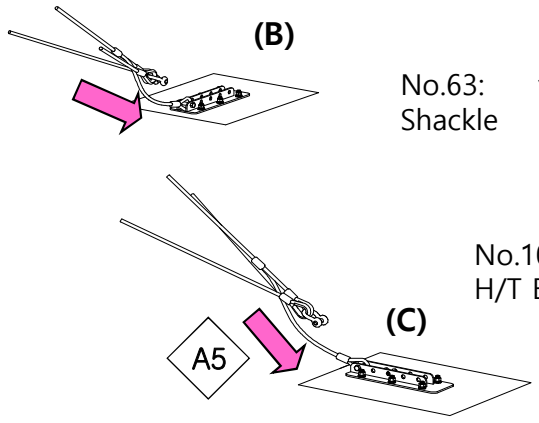
6. Place the post in position

[Working Process] **(A)** ➡ **(B)** ➡ **(C)** ➡ **(D)** ➡ **(E)**

Note: It is strongly recommended that 3-4 workers lift the net into place



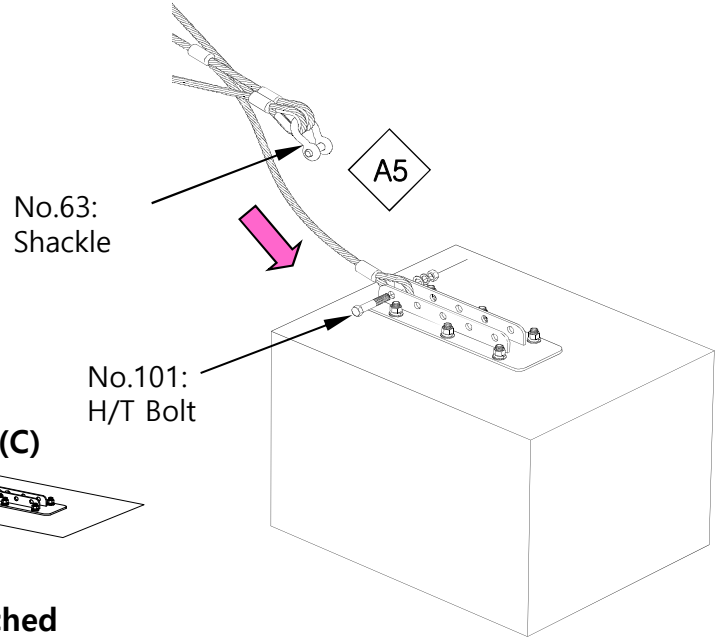
▲ **Centre Post**



▲ **Safety cables attached**

▼ Safety cable Assembly

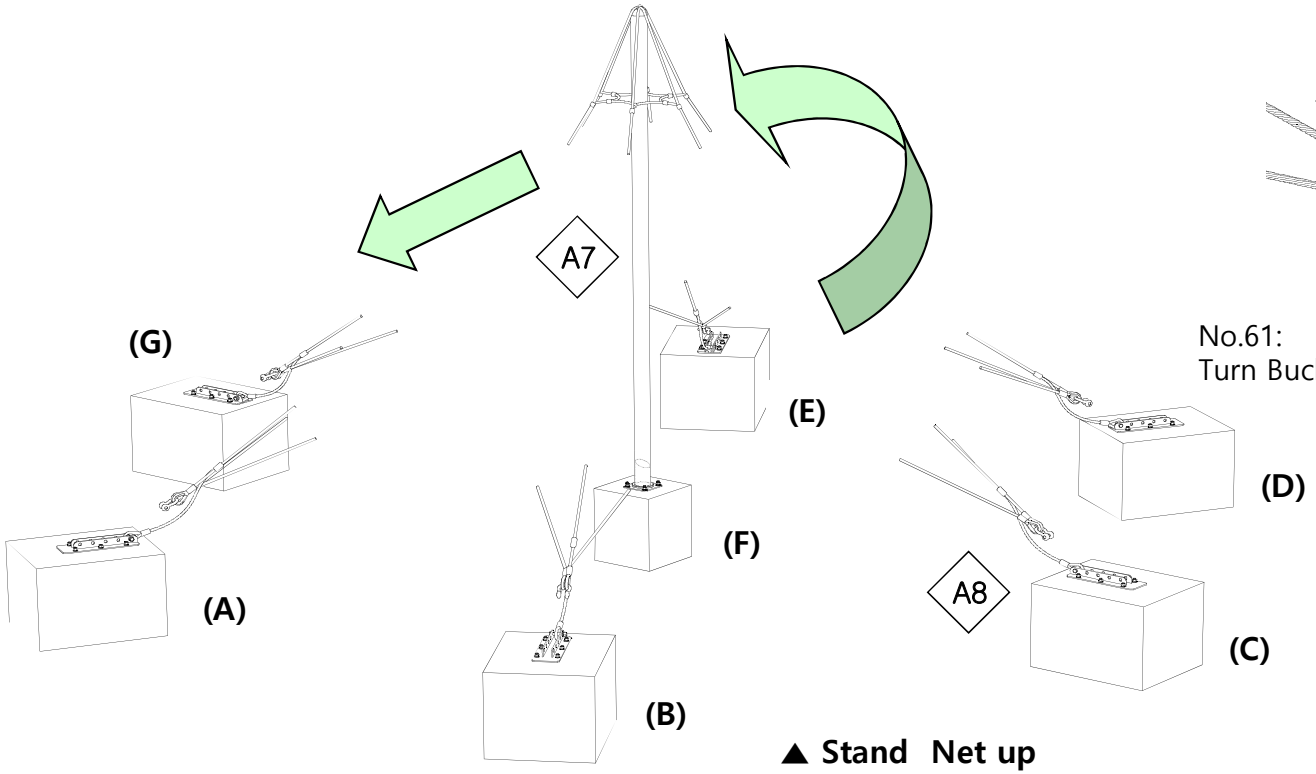
After successfully preparing the net and mast assembly, attach safety cable with M22 X L110 H/T BOLT to Anchor plate as shown below



7. Stand net up

8. After standing up the Net, Attach remaining safety rope and Turnbuckles

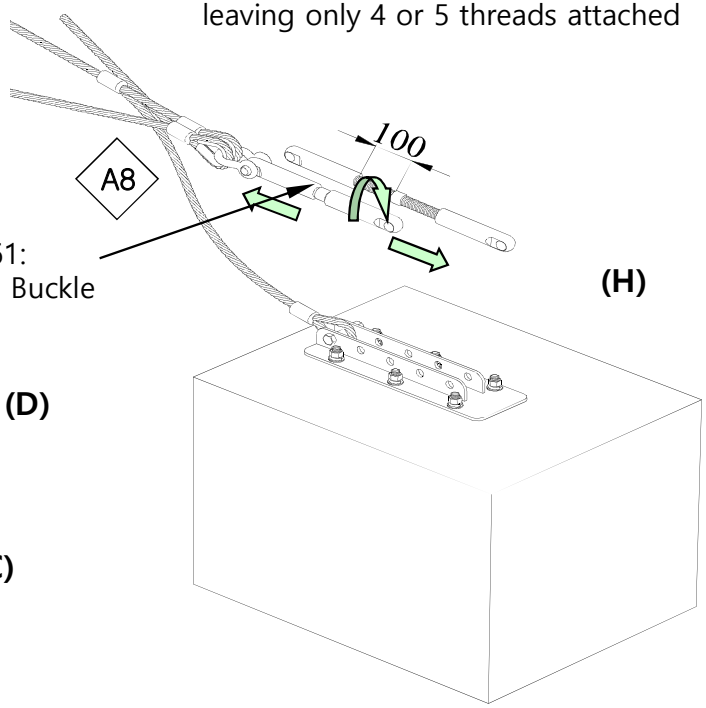
[Working Process] **(A)** ➡ **(B)** ➡ **(C)** ➡ **(D)** ➡ **(E)** ➡ **(F)** ➡ **(G)** ➡ **(H)**



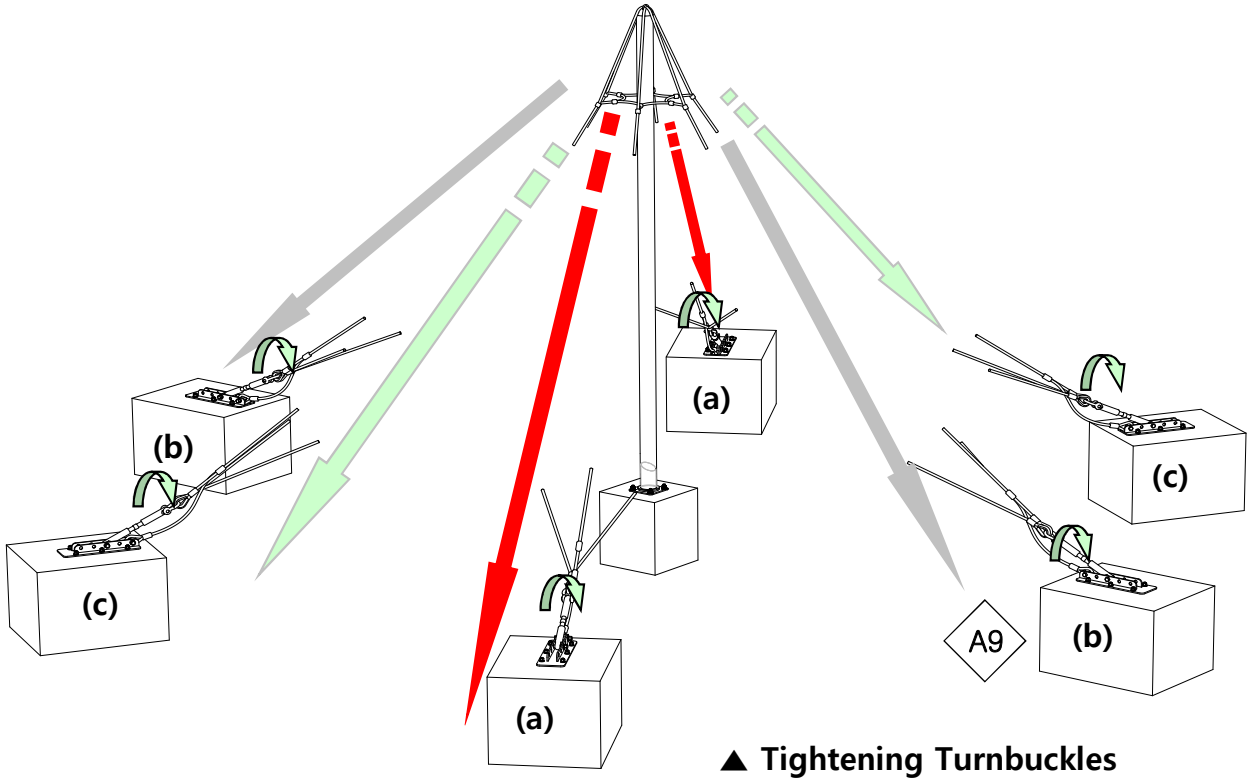
▲ **Stand Net up**

▼ **Loosen Turnbuckle:**

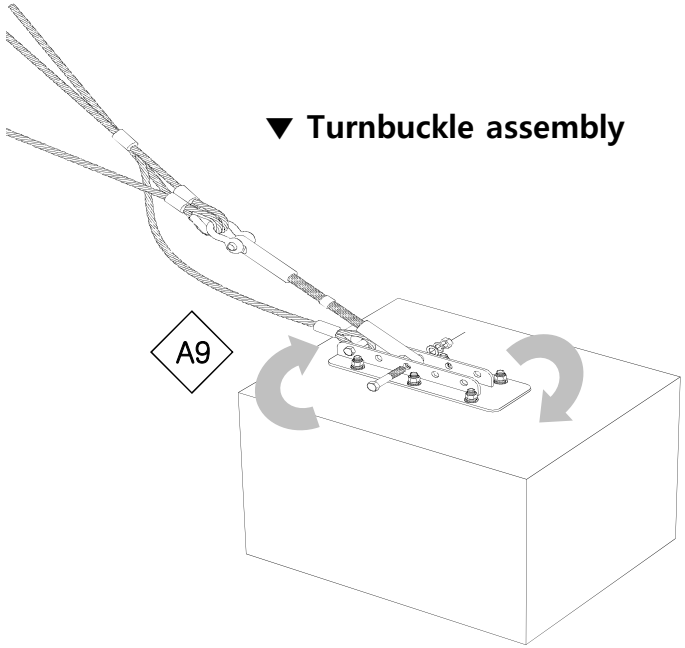
All the way (about 100mm),
leaving only 4 or 5 threads attached



9. Attach Turnbuckle to Anchor plates and tighten Turnbuckles



▲ **Tightening Turnbuckles**



▼ **Turnbuckle assembly**

(a) + (a) Tighten Rope with Turnbuckles at the Same time

(b) + (b) Tighten Rope with Turnbuckles at the Same time

(c) + (c) Tighten Rope with Turnbuckles at the Same time

NOTE: Make sure post is level before tightening and remains level during process

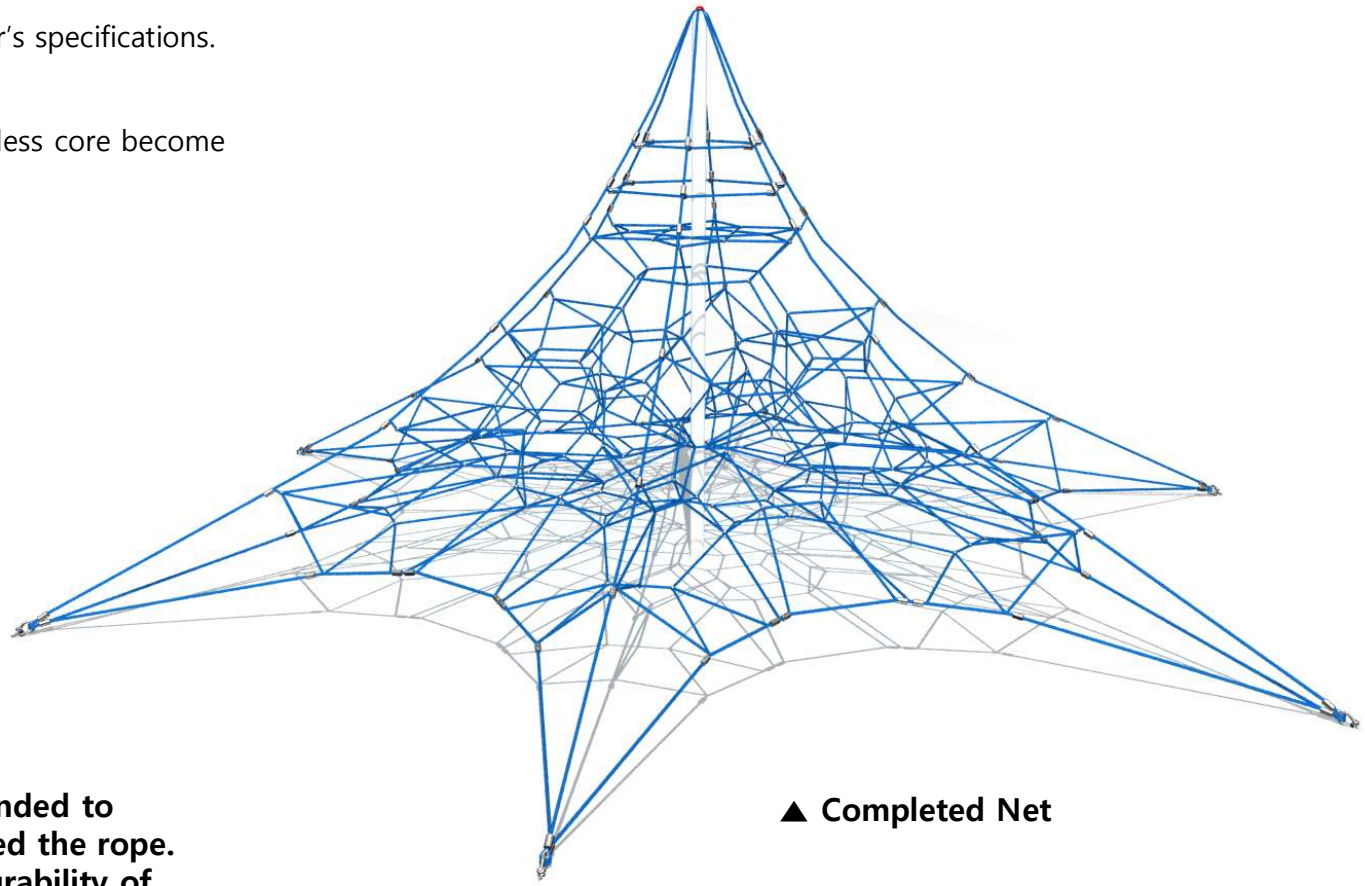
Maintenance information

Please tighten rope with Turnbuckle properly.
If you strain the net too much, it may cause damage.
It is also recommended that subsequent checks on tension
should be carried out at monthly intervals and adjusted as required.
This will increase the overall longevity of the product.

That replacement parts shall conform to manufacturer's specifications.
Please keep spare parts.
It is necessary to keep the drain holes clean.
Rope should be replaced or repaired before the stainless core become
exposed through wear or damage.

Checking: 1 month
Refer to IPEMA and TUV maintenance system.

After Net structure tension is completed, the net will
stretch slightly over the first four weeks of use.
Following this initial period, the net needs
to be fully re-tensioned after 1 year.



▲ **Completed Net**

A weekly check of the activity net is recommended to ensure that no acts of vandalism have damaged the rope. Periodic checks on tension will assist in the durability of the product.

A. General safety measures

On the playground there should be a sign(pictogram) giving the following information:

a) general emergency telephone number;
b) telephone number to contact maintenance personnel;
c) name of the playground;
d) address of playground; and
e) other relevant local information, if applicable.

The entry, exit and emergency paths to and from a playground, intended for use by the public and emergency services, should be accessible and free of obstacles at all times.

NOTE Attention is drawn to local regulations.

B. Procedures

Defects that occur during operation and which put safety at risk should be corrected without delay. If this is not possible, the equipment should be secured against use e.g. by immobilization or removal.
There should be written operational procedures covering the measures to be taken in the event of accidents, fire and the like.
Until unsafe equipment is repaired and released for use, access by the public should be prevented. Information about accidents brought to the attention of the manager should be recorded on a form that includes the following details:

a) date and tie of accident;
b) age and sex of victim and clothing worn, Including footwear;
c) equipment involved;
d) number of children on site at the time of the accident;
e) description of accident;
f) injury sustained including part(s) of body affected;
g) action taken;
h) witness statements;
i) any subsequent equipment modification;
j) weather conditions; and
k) any other relevant information.

C. Routine maintenance

To reduce accidents, the owner or operator should ensure that an appropriate routine maintenance schedule is established, implemented and maintained. This should take into account local conditions and the manufacturer's instructions that can affect the necessary inspection frequency. The schedule should list the components to be maintained and should also give procedures for dealing with complaints and breakdowns.

The routine maintenance of playground equipment and surfaces should consist of preventative measures to maintain their level of safety, performance and compliance with the relevant part(s) of EN 1176. Such measures should include:

a) tightening of fastenings;
b) re-painting and re-treatment of surfaces;
c) maintenance of any impact attenuating surfaces;
d) lubrication of bearings;
e) marking of equipment to signify loose fill finished surface level;
f) cleaning;
g) removal of broken glass and other debris or contaminants;
h) restoring loose fills to the correct level; and
i) maintenance of free space areas.

D. Corrective maintenance

Corrective maintenance should include measures to correct defects, or th re-establish the necessary levels of safety of the playground equipment and surfaces. Such measures should include:

a) replacement of fastenings;
b) welding of welding repairs;
c) replacement of worn or defective parts; and
d) replacement of defective structural components.

E. Personal safety

Repairs during operation that could put the safety of maintenance personnel of the public at risk, should be avoided.

F. Equipment alterations

Alterations to parts of a piece of equipment or structure that could affect the essential safety of the equipment should only be carried out after consultation with the manufacturer or a compete person.