

ERDOX SNOW

INSTALLATION SHEET

MACCAFERRI



WHAT YOU NEED (NOT SUPPLIED WITH THE PRODUCT)



Bending / pipe wrench



Pneumatic screwdriver

- Socket wrench M17 for 10x100 head post bolt;
- M21 bush for 12 mm rope clamps - Perimeter;
- M16 bush for 10 mm rope clamps - Nose;
- Socket wrench M27 for bolts M18 support feet;
- Socket wrench M32 for bolts M20 central node;
- 2 M50 keys for M33 anchor bolt.

The structures arrive on site, or in any case at the place of delivery, already partially pre-assembled from our production plant; the assembly kit is composed of the front retaining face, supplied partially closed to allow easy transport (with the structural net already partially fixed and the relative DT net), the upstream rope already including steel bracing ropes and

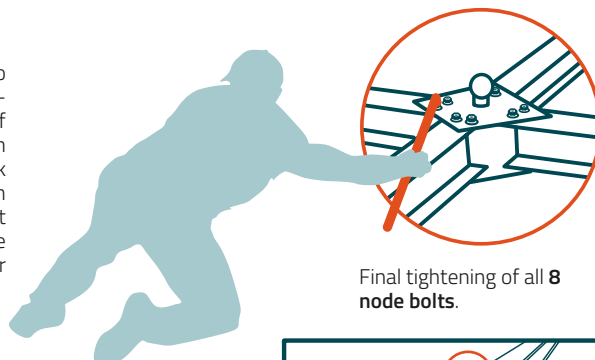
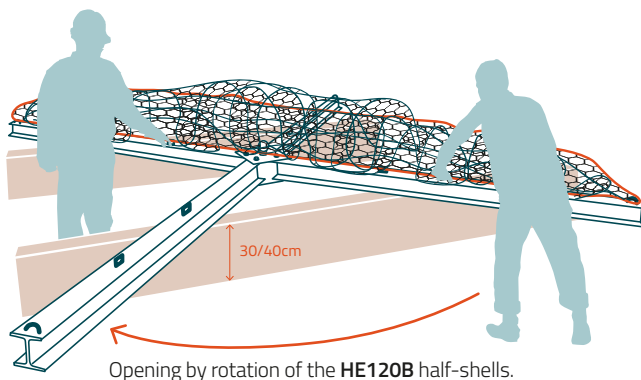
plates for attachment to the upstream anchor, double spiral rope tie rods, depending on the project specifications. Once the structures have been unloaded on the ground, the actual assembly of the individual elements making up the ErdoX Snow system can begin.

ASSEMBLY STEPS:

1

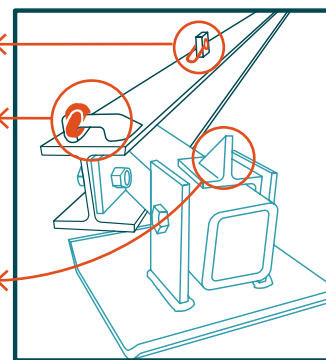
BUNDLE UNBOXING

Place the structure on a bench, or support elements, that allow you to work at least **30/40 cm** from the ground. Rotate the two **HE120B** half-slats until the holes are aligned with the holes present on the plates of the central node. Thread from downwards the **2 bolts M20x180 mm** complete with washers and manually tighten the nuts supplied. Check the **perfect linearity** of the two halves and, subsequently, proceed with tightening of the bolts with a **pneumatic screwdriver**. Mount the support feet on the ground from the correct side of the structure according to the **DK** value with the **M18x50** bolts and self-locking nut. Connect the rocker foot and system anti-overturning with **M20x140** bolts.

Final tightening of all **8** node bolts.Opening by rotation of the **HE120B** half-shells.

Remove the **2 clamps** to which the nets are not connected and the **4/8 shackles of 3.25 Ton** already mounted on the beams (placing them in the immediate vicinity of the vertices of the structures for their future reuse).

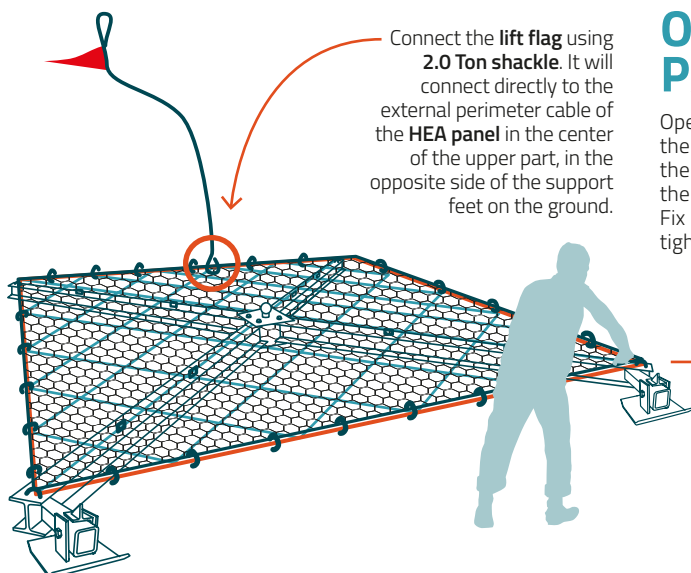
IMPORTANT: the anti-tipping system will always face the upstream side of the structure.



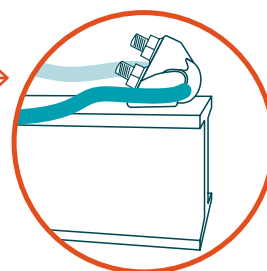
2

OPENING OF THE HEA PANEL / DT NET

Open the **HEA panels** and the **DT net** (already connected to the whole beam and fixed to each other in the factory) and run the perimeter rope beyond the elements perimeter welded to the beams (help may be needed with a bender / pipe wrench). Fix the rope panel with **previously removed clamps** by manually tightening the nuts.



Connect the **lift flag** using **2.0 Ton shackle**. It will connect directly to the external perimeter cable of the **HEA panel** in the center of the upper part, in the opposite side of the support feet on the ground.



IMPORTANT: Before tightening the nuts with pneumatic screwdriver **check that the position of the clamp is correct** and that the rope is beyond the support element welded to the beams.

ERDOX SNOW

INSTALLATION SHEET

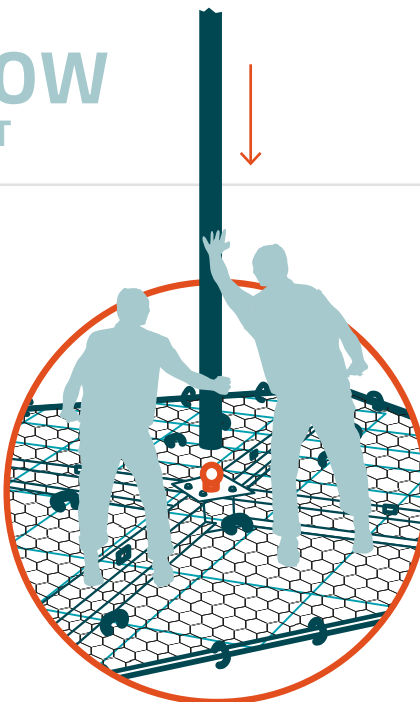
3

POST ASSEMBLING

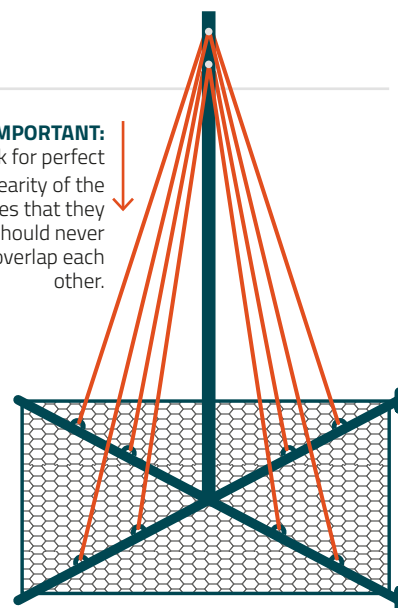
Connect the structure post to the joint spherical in the central node. Once the cap is inserted into the sphere proceed with the insertion of the **M10x100** safety bolt.

Rotate the post until the **hole in the cap points to the lower-side of the structure** (characterized by the presence of the support feet to the ground).

Connect the bracing ropes to the **HE120B** beams using the **3,25 Ton shackles** previously disassembled.



IMPORTANT: check for perfect linearity of the ropes that they should never overlap each other.



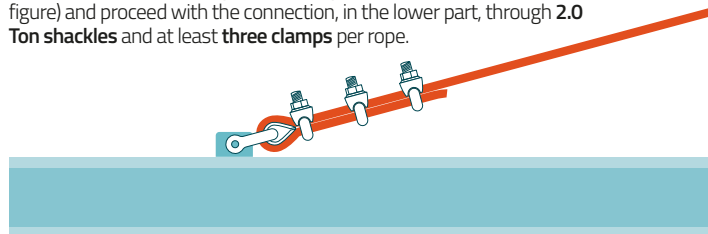
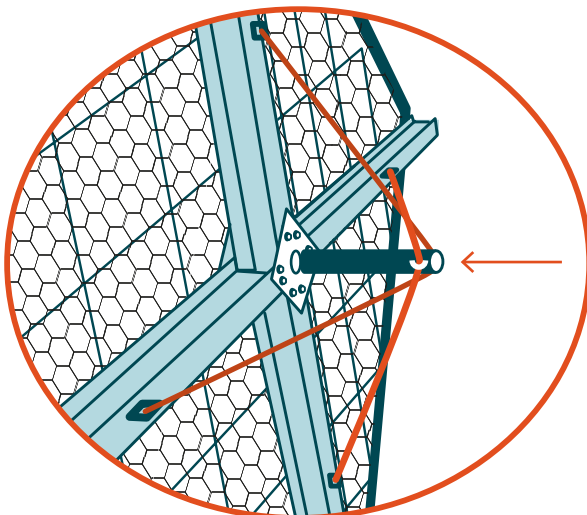
4

FRONT "NOSE" ASSEMBLING

Lift the structure from the top and, working safely, proceed to the connection of the front counter-pull system (**NOSE**) by inserting the trunk of tube **88.9** in the tubular welded to the central plate.

Secure the nose with the supplied **M10x120 mm** bolt.

Connect the front **contrast ropes** at the top with **2.0 Ton shackles**. Cross the ropes by passing them through the special supports (see figure) and proceed with the connection, in the lower part, through **2.0 Ton shackles** and at least **three clamps** per rope.

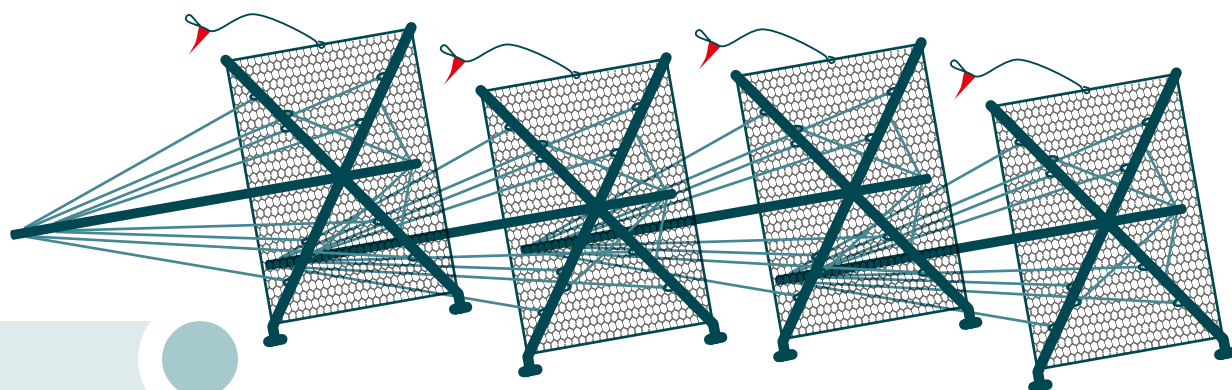


5

STORAGE

Transport the structure to the storage place making sure that the structures are positioned in such a way as to ensure the

connection, via the **lifting flag**, to the helicopter that will carry out the transfer at height.



MACCAFERRI ROMANIA S.R.L

Strada Nicolae G.Caramfil, nr.53, et.5,
Sector 1 014145, Bucuresti, Romania

T: +40 21 7942220

E: info.ro@maccaferri.com

maccaferri.com/ro