

***MICHELIN***  
***INFLATABLE SOLUTIONS***

***DRONE CAGE***



***INSTRUCTION MANUAL***



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This file contains all our recommendations to guide you in the use of your new MICHELIN Inflatable Solutions product.

We recommend that you read it carefully before using your product for the first time, and refer to it if you have any doubts.

Our sales team remains at your disposal for any further information (e-mail: [commerce@inflatable.michelin.com](mailto:commerce@inflatable.michelin.com)).



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# I - VERIFICATION OF CONTENTS ON DELIVERY

**Elements:**

5x large carry bags :

- 1st: 2 pediments + 2 nets
- 2nd: 1 structure + 1 net
- 3rd: 1 structure + 1 net
- 4th: 1 structure + 1 net
- 5th: 1 structure + 1 net

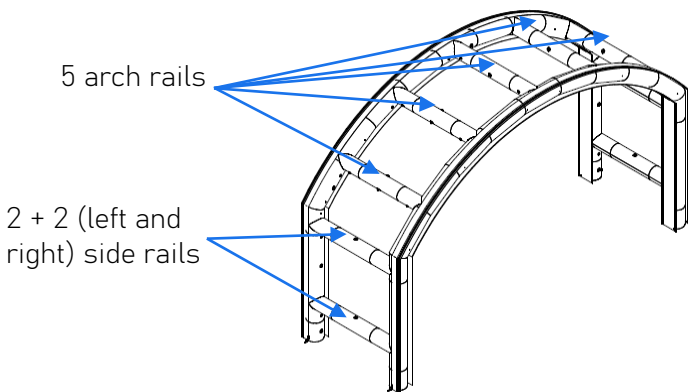
**Visualisation:**

Inflatable structure **(A)**

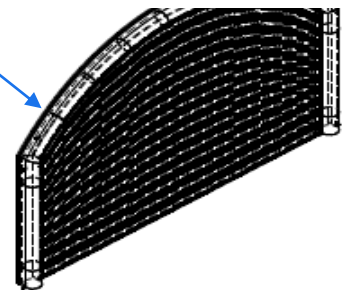
Fronton fitted with net **(B)**

Structure fitted with net without cover **(C)**

Structure fitted with net + weather cover **(D)**

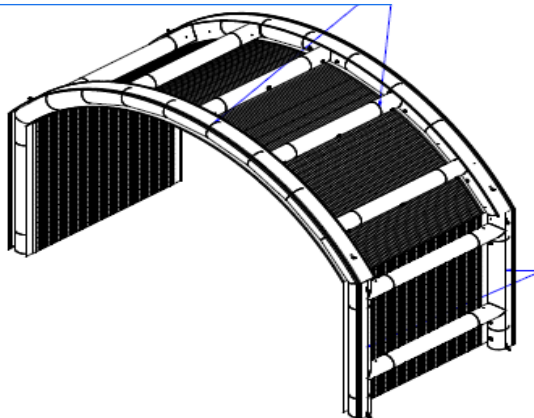


ZIP for assembling pediment to structure



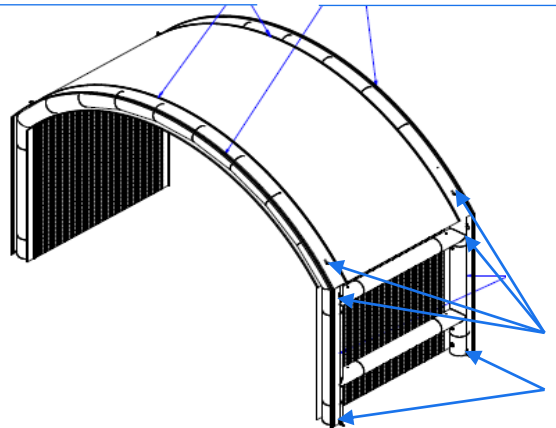
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Velcro fastening of net to arches + cross-members



Weatherproof assembly zip

ZIP for assembling structures together





# I - VERIFICATION OF CONTENTS ON DELIVERY

## Accessories :

3x small carry bags :

- 1st: 10x Foot covers to bind the structures together
- 2nd: 4x Weather covers
- 3rd : 5x Protective strips

- 2x high flow pumps **(E)** + pump nozzle (for inflating AirTs) in their respective boxes
- 3x AirT in box
- 16x mooring ropes + 16x pegs
- 2x "BLT STAT" personalisation panels
- Repair kit **(F)**

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## OPTIONAL elements :

12x ballast bags in a box **(G)** (≈40kg; 15min filling time)



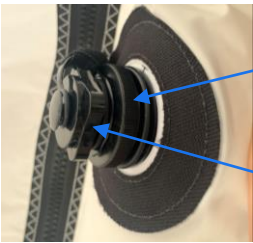
## External elements to be provided :

- 1x stepladder (≤ 3m)
- 2x cable reel (50m long)





## II - LEGEND



Lower crown, plug without non-return valve for deflation

Upper crown, plug with non-return valve for inflation



"Clamp open: allows air to pass through (position when inflating/deflating)



"Clamp closed: does not let air through (position when structure is inflated)



Zipper slider



### III - CHARACTERISTICS

Our inflatable drone cage modules all have a wheelbase (distance between the two legs of the same arch) of 9m.

	Module de 9 m	Frontons
<b>Inside length</b>	3m	0,4m
<b>Inside width</b>	8,25m	8,25m
<b>Surface area</b>	24,75m <sup>2</sup>	3,3m <sup>2</sup>
<b>Maximum height</b>	5,8m	5,8m
<b>Weight</b>	54kg	10kg

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## IV - INSTALLATION

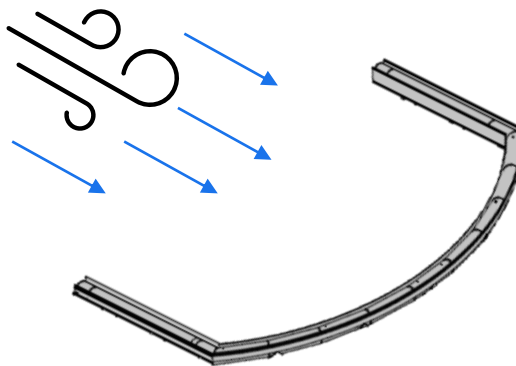
It takes **around 40 minutes to install** a structure, including inflation.

In order to simplify the illustration, the covers and nets are not shown on the diagrams.

Advice: 4 people required for installation.

### Stage 1: Preparation of 2 or more assembled structures + pediments (≈1h30mn)

1. Remove the module (inflatable structure + cover + net) from its transport bag
2. Deploy the first pediment on the ground, with the 2 feet facing the prevailing winds or those forecast for the coming days
  - 2.1 - Ensure that all inflation valves are closed







## IV - INSTALLATION

### 3. Deploy the 1st structure equipped with its net on the ground above the pelota court

**3.1** - Ensure that all inflation valves are closed

**3.2** - Ensure clamping of wall ties

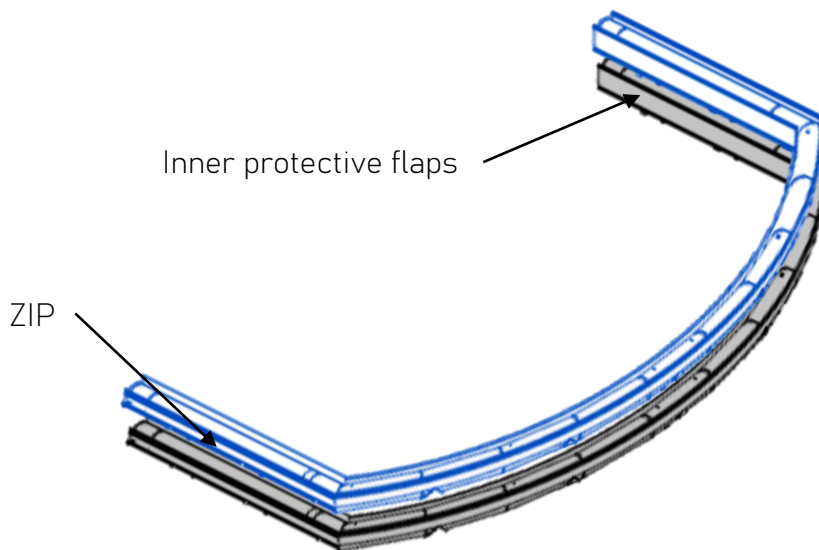
**3.3** - Unclamp the arch rails

**3.4** - Zipping up the pediment with the 1st structure. Check the male and female sides of the zips to ensure that the structure is fitted correctly.

**3.5** - Fit the protective strip between the pediment and the arch of the 1st structure.

**3.6** - Zip up the covering if necessary

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## IV - INSTALLATION

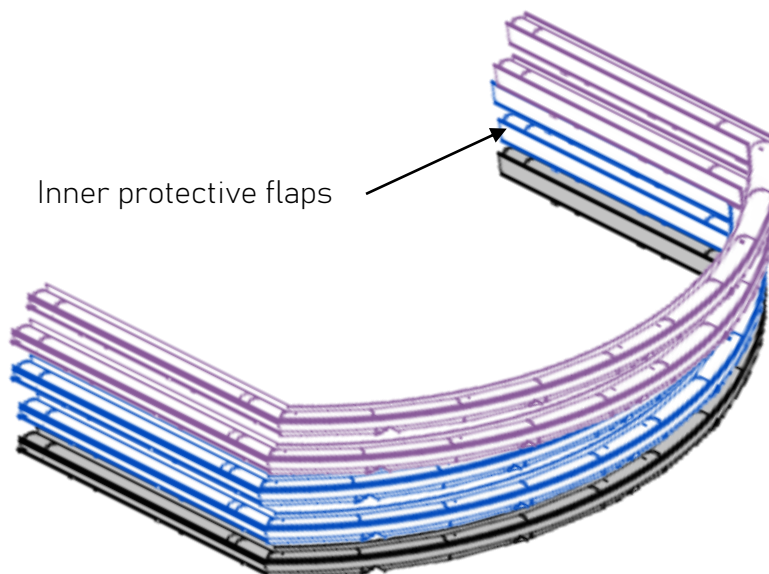
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### 4. Deploy the 2nd structure with its net on the ground above the 1st.

- 4.1 - Ensure that all inflation valves are closed
- 4.2 - Ensure clamping of wall ties
- 4.3 - Unclamp the arch ties
- 4.4 - Zipper the 1st structure with the 2nd
- 4.5 - Fit the protective strip between the 1st structure and the 2nd structure
- 4.6 - Zip the cover if necessary

This operation must be repeated for each structure in the assembly.

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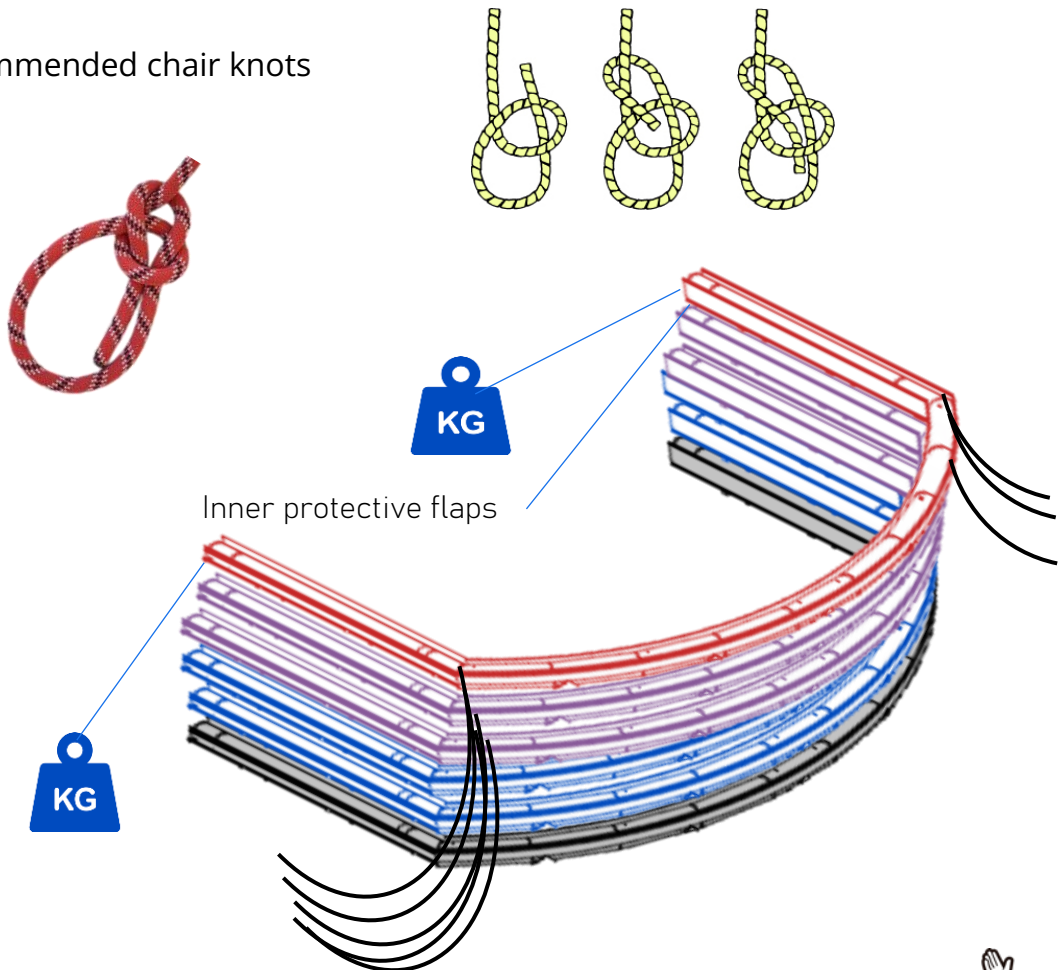


## IV - INSTALLATION

### 5. Deploy the pediment on the ground above the last structure

- 5.1 - Ensure all inflation valves are closed
- 5.2 - Zip the last structure with the pediment
- 5.3 - Place the protective strip between the 1st and 2nd structures.
- 5.4 - Attach the feet of the last pediment to a ballast bag.
- 5.5 - Prepare the mooring ropes on the pediments and the structures on the lashing rings.

Recommended chair knots





## IV - INSTALLATION

### Stage 2: Inflating assembled structures (≈1h30mn)

#### Inflating the 1st structure

1.1 - Inflating the pediment then the 1st structure above:

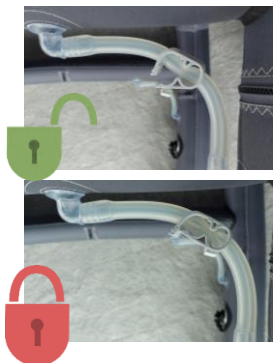
- pump 1 on the left of the top arches
- pump 2 to the right of the top arches

***Use the pumps supplied. Failing that, use a pump with the same characteristics (≤400 Mbars) without an overpressure system.***

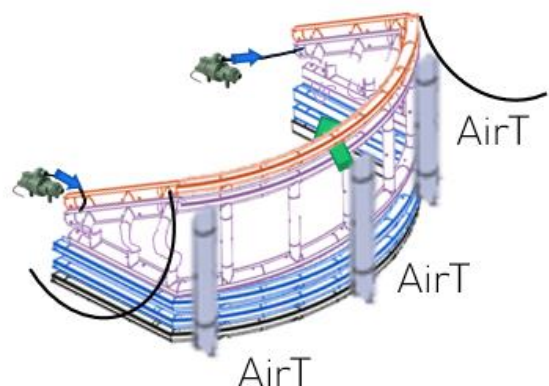
- Start inflation by pressing the pump's "main motor" mode (yellow button), and allow the air to spread for 1 to 2 minutes.
- Then press the pump's "boost" mode (red button) to continue inflation.
- When optimum pressure is reached (after about 7 minutes), the pump will emit a distinctive saturation noise. You can also check the pressure by feeling the structure.

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1.2 - Fitting the AirTs to support the arches and allow the sleepers to inflate effortlessly



**NB:** For rapid and optimal inflation, open all the clamps and close all the plugs. Once inflation is complete, close all the clamps.





## IV - INSTALLATION

### 2. Inflating 2nd structure

**2.1** - Inflating the 2nd structure :

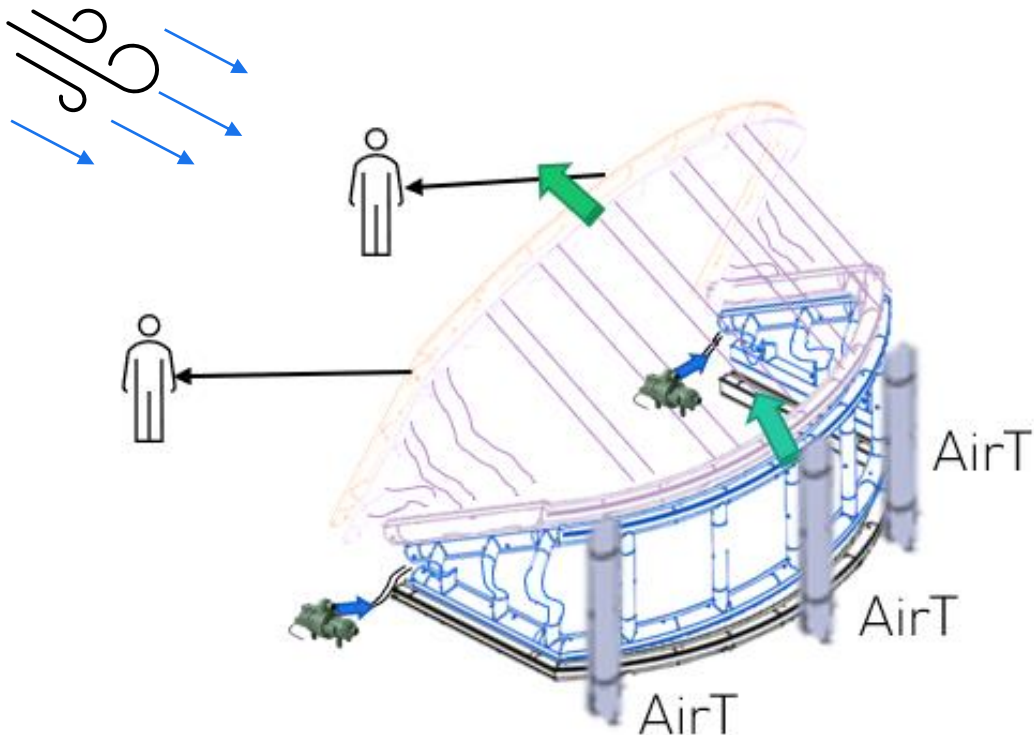
- pump 1 on the left
- pump 2 on the right

**2.2** - Fitting the AirTs to support the arches and allow the crosspieces to inflate effortlessly. (The supporting AirTs will fall off naturally once the structure is sufficiently inflated).

**2.3** - This operation must be repeated for each structure in the assembly.

**2.4** - Hoist the front part of the structure using the lashing shrouds to lift the whole structure.

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## IV - INSTALLATION

### 3 - Completing inflation

**3.1** - Pulling the first arches to give the whole structure its final shape.

**3.2** - Pump 1 running on the first structure.

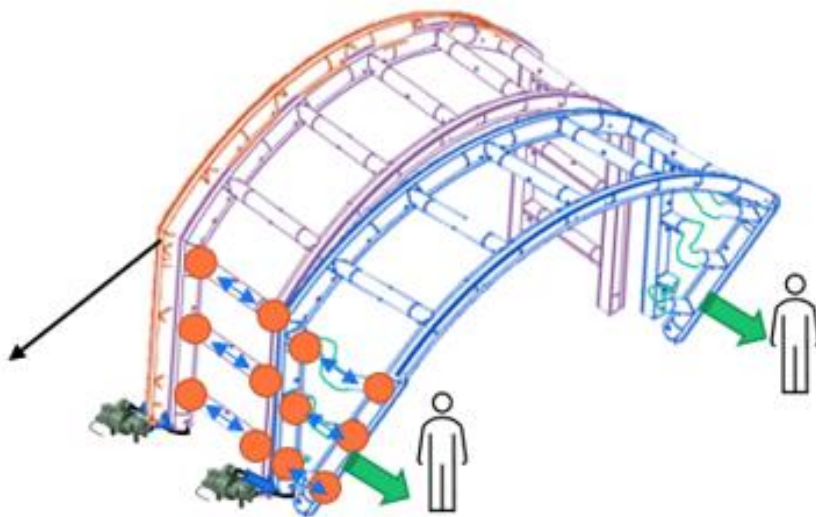
**3.3** - Unclamp the crosspieces on the left and right walls of the first structure, one after the other, while waiting for each crosspiece to be inflated.

**3.4** - Pump 2 running on the second structure.

**3.5** - Unclamp the crosspieces of the left and right walls of the second structure one after the other while waiting for each crosspiece to be inflated.

**3.6** - This operation must be repeated for each structure in the assembly.

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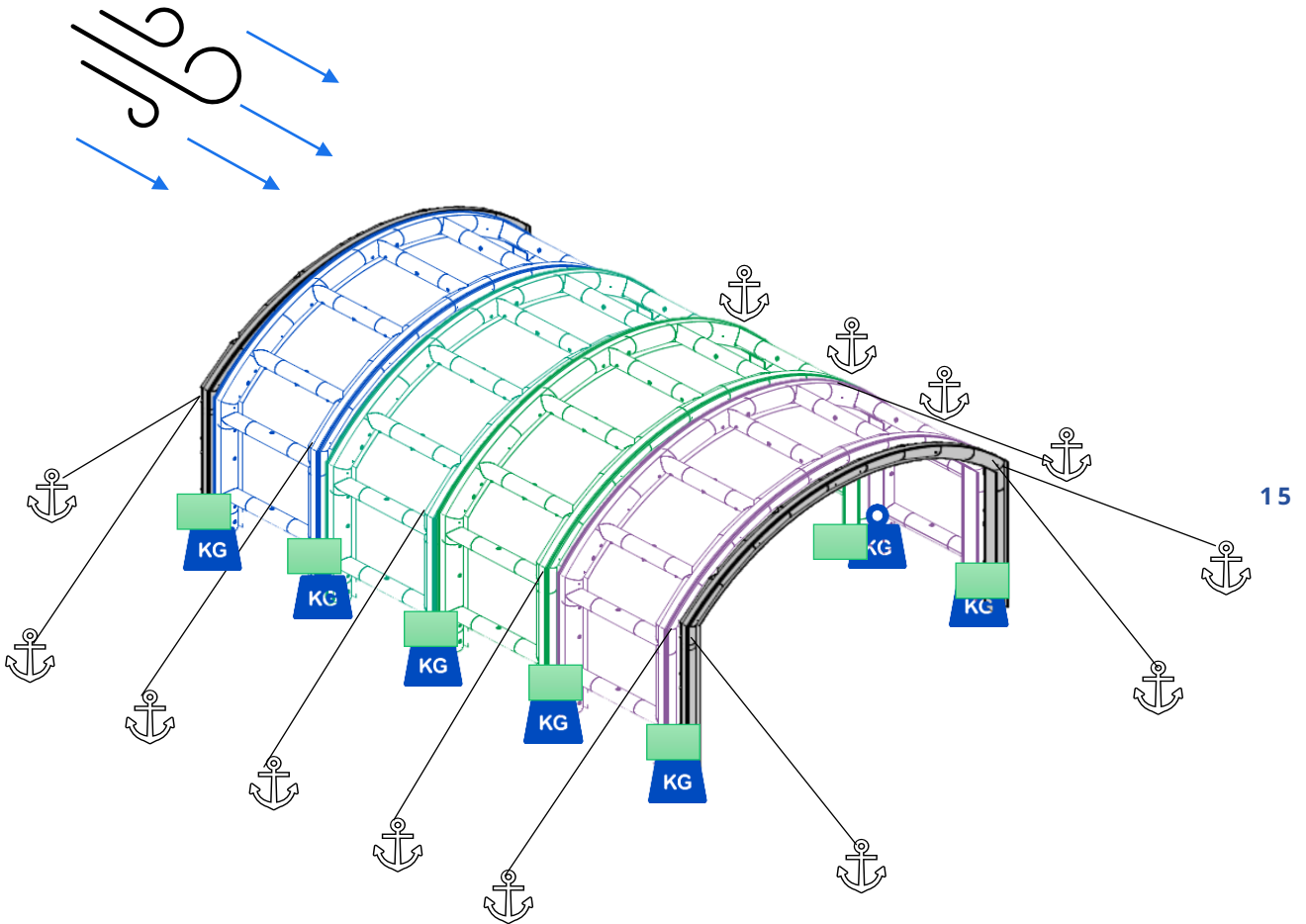


It is FORBIDDEN to dismantle the crosspieces if the pump or pumps in use are not connected to the structure.







# IV - INSTALLATION

## Stage 3: Securing the structure (≈20mn)



*Ballast bags*



-  *Foot cover*
-  *Ballast bags*
-  *Rigging shrouds*
-  *Ground anchor*







## V – DISMANTLING

### 1. Deflate

**1.1** - To make deflation easier, first deflate the feet of the structure by unscrewing the lower crown of the plugs.



**1.2** - Separate any inflatables by opening the zips.

**1.3** - Open the "clamps" (clamps on the tubes) to allow the air to circulate between the many tubes of the inflatable.

**1.4** - Finally, unscrew all the plugs.

**1.5** - Leave the inflatable to empty itself of air (20-30 minutes).

### WARNING !

**Do not attempt to deflate the structure with the inflation pump!** Doing so could damage the plastic inner tube that is inserted inside each bladder.

**The zips visible on the structures (inner tube access) must not be manipulated** when the structure is under pressure or being inflated or deflated.







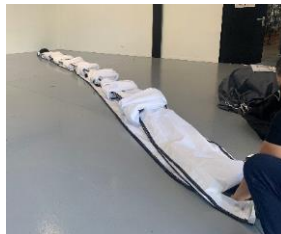
## V – DÉMONTAGE

### 2. Plier

2.1 - Replier les couvrants.

2.2 - Plier la structure équipée de son filet par symétries successives (plier le cadre en deux, puis rabattre les arches sur elles-mêmes, puis « rouler » la structure jusqu'à moitié et faire pareil sur l'autre moitié).

Pour bien faire sortir l'air des boudins, aplatissez-les avec votre corps.



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2.3 - Glisser la structure pliée dans son sac.



*Le couvrant peut être conservé sur la structure gonflable pour le rangement. Seulement le pliage se montre plus délicat, car l'air est plus difficile à faire partir des plis du couvrant.*



## VI – MAINTENANCE

### 1- Uses involving risks

- ✓ Do not use machinery or sharp equipment near the shelter, as this could damage it.



- ✓ Do not use abrasive ballast (breeze block, stone, metal), as this may cause premature damage to the perimeter of the shelter.



- ✓ Do not bring the shelter into contact with flammable or corrosive products, as this may damage the structure.





## VI – ENTRETIEN

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### 2- Maintenance tips

Covers should be folded appropriately to maintain their watertight properties and prevent damage during storage.

You can hose down the shelter (avoid pressure washing). **Wait for the shelter to dry before storing it in the transport bag.**

Inflation is guaranteed for 48 hours. Before each use, check the inflation.

**A repair kit is included in your PACK.** In the event of an inner tube leak, remove the tube from the textile sleeve, paying attention to the eyelets at the ends.

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These "eyelet" fasteners take the form of transparent plastic caps.

Clean the leak area with rubbing alcohol and leave to dry for 1 minute. Finally, apply the self-adhesive patch, pulling the bladder taut. Press the patch back and forth until it adheres, then replace the bladder in the textile sleeve, fastening the ends securely.

To ensure that the repair is complete, perform an initial inflation by isolating the freshly repaired bladder from the rest of the structure.





## VII - WARRANTY CONDITIONS

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The MICHELIN Inflatable Solutions guarantee lasts for one (1) year.

This guarantee covers the following defects:

Leaks from a defective weld.

Valve detachment or valve leakage.

The guarantee does not cover damage resulting from incorrect assembly, incorrect use or resulting from an external cause such as :

Normal wear and tear of components.

Damage due to external aggression.

Damage caused by transport, malicious damage, poor maintenance and in particular cleaning with unsuitable products (please refer to our assembly instructions), falling trees, etc.

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To benefit from the guarantee, please send us a photo of the product with the reference number or a copy of your invoice to:

[commerce@inflatable.michelin.com](mailto:commerce@inflatable.michelin.com).

Please note that the commercial guarantee does not deprive you of the provisions relating to the guarantee against hidden defects (articles 1641 et seq. of the French Civil Code) or the legal guarantee of conformity (L211-1 et seq. of the French Consumer Code).

The guarantee is limited solely to the replacement of parts (excluding labour) recognised as defective by our company, without any compensation or damages being claimed for material or physical damage caused.

In the event of a return, the following information must appear on the packaging: Name and address of the sender Name and address of the user Number of our delivery note, invoice, quotation, dimensions of the shelter, reasons for the return.





## VII - WARRANTY CONDITIONS

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When acting under the legal guarantee of conformity, the consumer :

- ✓ has a period of two years from the date of delivery of the goods in which to take action
- ✓ may choose between repairing or replacing the goods, subject to the cost conditions set out in article L. 211-9 of the Consumer Code
- ✓ is exempt from having to prove the existence of a lack of conformity in the goods during the six months following delivery of the goods. This period is extended to twenty-four months from 18 March 2016, except for second-hand goods.

The legal guarantee of conformity applies independently of any commercial guarantee that may have been granted.

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Consumers may also decide to invoke the warranty against hidden defects in the goods sold, as defined in article 1641 of the French Civil Code. In this case, they may choose between rescission of the sale or a reduction in the sale price in accordance with article 1644 of the French Civil Code.

Article L. 211-4 of the French Consumer Code: "The seller is obliged to deliver goods in conformity with the contract and is liable for any lack of conformity existing at the time of delivery. He shall also be liable for any lack of conformity resulting from the packaging, the assembly instructions or the installation when the latter was made his responsibility under the contract or was carried out under his responsibility".

