



- EN SAFETY FENCE FOR SWIMMING POOL
- ES BARRERA DE PROTECCIÓN PARA PISCINAS
- FR BARRIÈRE DE PROTECTION POUR PISCINE
- DE SCHUTZABSPERRUNG FÜR POOLS
- IT BARRIERA DI PROTEZIONE PER PISCINE
- NL VEILIGHEIDSEKWERK VOOR ZWEMBADEN
- PT BARREIRA DE PROTEÇÃO PARA PISCINAS



Instruction Manual - Manual de Instrucciones Manuel d'instructions - Bedienungsanleitung Manuale delle istruzioni - Handleiding met instructies Manual de instruções

We reserve to change all of part of the articles or contents of this document, without prior notice.

Nos reservamos el derecho de cambiar total o parcialmente las características de nuestros artículos o contenido de este documento sin previo aviso.

Nous nous réservons le droit de modifier totalement ou en partie les caractéristiques de nos articles ou le contenu de ce document sans pré avis.

Wir behalten uns das recht vor die eigenschaften unserer produkte oder den inhalt diese prospektes teilweise oder wollstanding, ohne vorherige benachichtigung su andern.

Ci riservamo il diritto di cambiare totalmente o parzialmente le caratteristiche tecniche dei nostri prodotti ed il contenuto di questo documento senza nessun preavviso.

Wij behouden ons het recht voor geheel of gedeeltelijk de kenmerken van onze artikelen of de inhoud van deze handleiding zonder voorafgaand bericht te wijzigen.

Reservamo-nos no direito de alterar, total ou parcialmente as características os nossos artigos ou o conteúdo deste documento sem aviso prévio.

DISTRIBUTED BY / DISTRIBUIDO POR / DISTRIBUÉ PAR / VERTRIEB DURCH / DISTRIBUITO DA / GEDISTRIBUEERD DOOR / DISTRIBUÍDO POR:

MANUFACTURAS GRE, S.A. ARITZ BIDEA Nº 57 BELAKO INDUSTRIALDEA, APARTADO 69 - 48100 MUNGUÍA (VIZCAYA) ESPAÑA Nº Reg. Ind. 48-06762

MADE IN CHINA / FABRICADO EN CHINA / FABRIQUÉ AU CHINE / HERGESTELLT IN CHINA / PRODOTTO IN CHINA / GEPRODUCEERD IN CHINA / FABRICADO NA RPC

IMPORTANT RECOMMENDATIONS

Before starting, it is important to know which rules must be followed when installing the barrier.

- The barrier must isolate the pool and all its points of access, completely.
 - All sides of the pool must be protected, whether with the barrier itself or a fixed element such as a wall, a panel or any other type of fence, as long as this element complies with the NF P 90 -306 standard (particularly with the part stating that said element must never have a clearance height inferior to 1.10 m).
 - In the case that the barrier must be connected to another element, make sure that it is firm enough to provide a stable point of attachment.
 - Do not install the barrier on an unstable surface such as grass, sand...
 - **WARNING:** it is imperative to maintain a corridor of at least 1.10 m between the barrier and any fixed or movable point of attachment (on each side of the barrier).
 - We recommend installing the barrier at a minimum distance of 1m above water level. In private pools for individual use, we recommend installing the barrier not too far from the pool itself so that its efficiency is not reduced.
 - However, when calculating the distance between the pool and the barrier, take into consideration the minimum distance required for carrying out maintenance tasks such as vacuuming. Do not leave a small distance which could impair maintenance tasks.
- Before installing this product, please read and follow all the warnings and instructions that accompany this product. Failure to comply with the safety warnings and instructions could cause injuries, death or material damages.
 - Please keep this instruction manual for future consultation.
 - We reserve to change all of part of the articles or contents of this document, without prior notice.

CALCULATION OF NECESSARY NUMBER OF MODULES

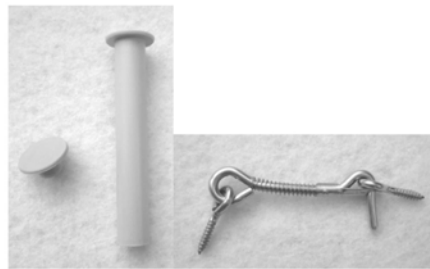
As a guide to consider a rectangular pool

Swimming pool size	Distance between swimming pool and fencing	Number of modules
5 x 5 m	1 m	8
	1,5 m	9
	2 m	10
5 x 3 m	1 m	7
	1,5 m	8
	2 m	9
6 x 4 m	1 m	8
	1,5 m	9
	2 m	10
8 x 4 m	1 m	9
	1,5 m	10
	2 m	11
10 x 5 m	1 m	10
	1,5 m	11
	2 m	13

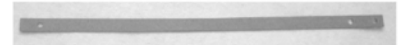
CONTENT OF PACKAGE



1 preinstalled 3.66 m panel, including a net and 5 poles, with adjustable length

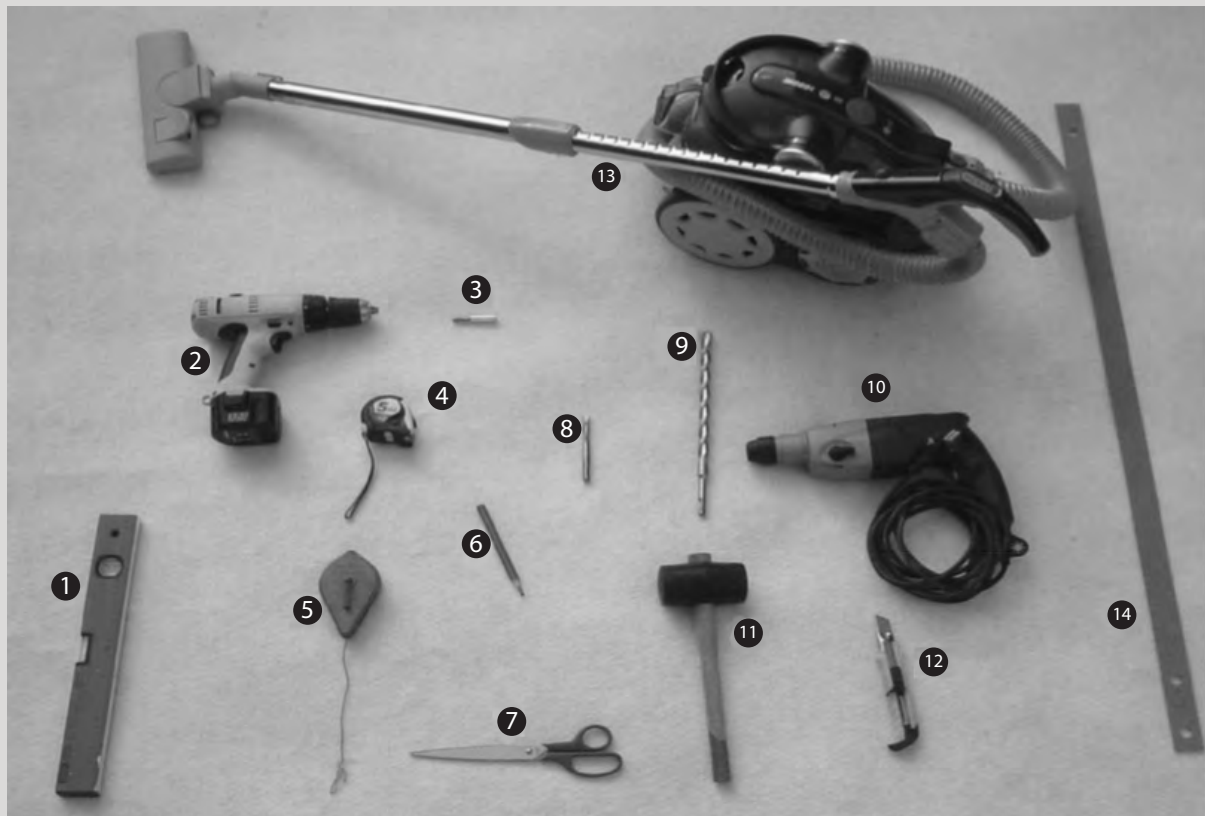


Content of 1 bag:
6 pegs
6 peg covers
1 hook



1 template for hole placement

REQUIRED TOOLS



- | | |
|------------------------------------|--|
| ① Spirit level | ⑧ Concrete drill 10 \varnothing (optional) |
| ② Screwdriver | ⑨ Concrete drill bit 1 \varnothing |
| ③ Bit holder for screwdriver | ⑩ Hammer drill for drill bits 16 \varnothing |
| ④ Measuring tape or foldable ruler | ⑪ Rubber mallet |
| ⑤ Drawing pen | ⑫ Cutter |
| ⑥ Pencil | ⑬ Vacuum cleaner |
| ⑦ Scissors | ⑭ Template for detecting breakages |

INSTALLATION OF BARRIER

PROLOGUE

WARNING: THE BARRIER CAN ONLY BE INSTALLED ON A SOLID, FIRM AND, IF POSSIBLE, THICK BASE. THE IDEAL SURFACE FOR THE INSTALLATION OF THE BARRIER IS A CONCRETE LAYER.

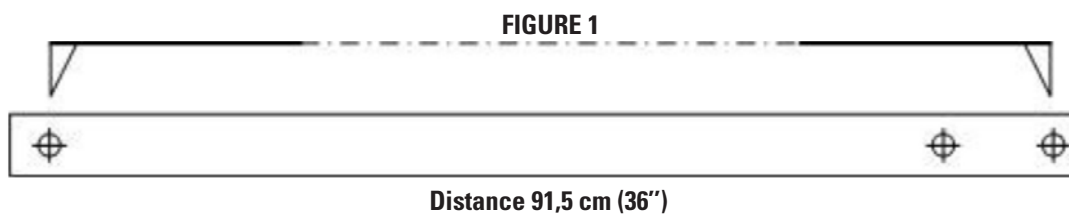
- Make sure you leave enough space surrounding the pool in order to be able to work without any problems.
- The surface must be clean and dry in order to be able distinguish clearly the marks made on the surface
- Do not begin to install the barrier if weather conditions are not optimal. You will have to use electrical devices, such as hammer drills. Out of precaution, do not use these devices in the rain or on damp surfaces. In all cases, electrical devices must be connected to a power socket equipped with a reverse current circuit breaker of 30 mA.

1. ESTABLISHING A STARTING POINT

Use a rope for the straight parts so that the layout is completely rectilinear.

2. TRACE THE 5 MARKS TO DESIGNATE THE 5 POLES OF THE FIRST PANEL

Using the two opposing holes of the template provided or a measuring tape, mark the five holes of the first panel, moving the template from the last hole marked.

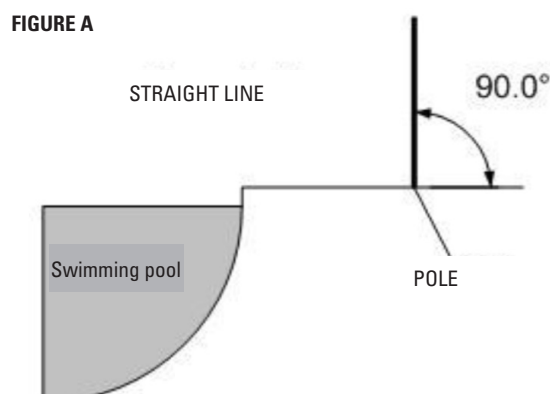


IMPORTANT: In the case that the barrier has to be installed on a bend, the distance must be adjusted around 5 mm, upwards or downwards, in order to achieve the desired net tension (see diagram in paragraph 3).

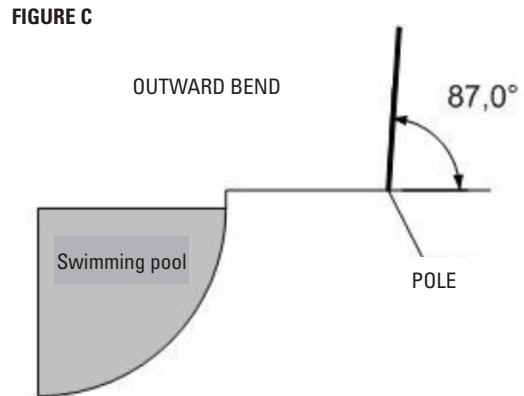
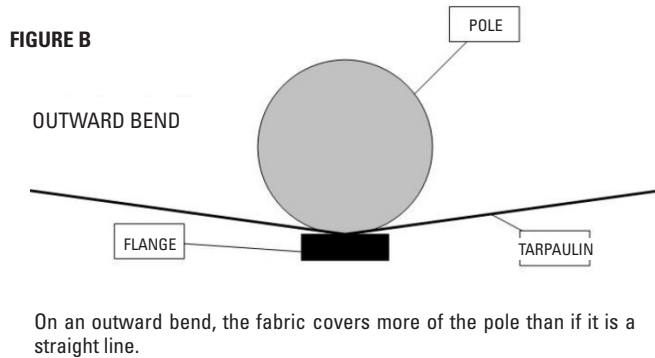
3. MAKING THE HOLES

The holes must be made with drill bit 16 \varnothing . If the initial hole is made using the drill bit 10 \varnothing then it may be easier to carry out the definitive drilling with 16 \varnothing .

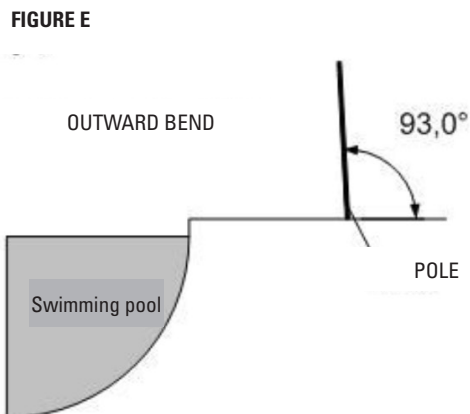
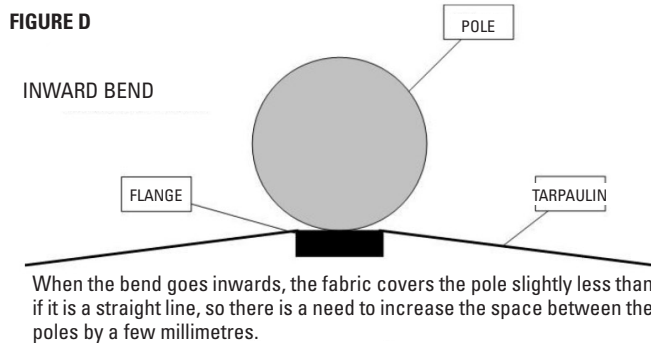
- With the help of a spirit level, make the holes that have been marked following these instructions: If the holes are in a straight line, they should all be at a 90° angle from the deck.



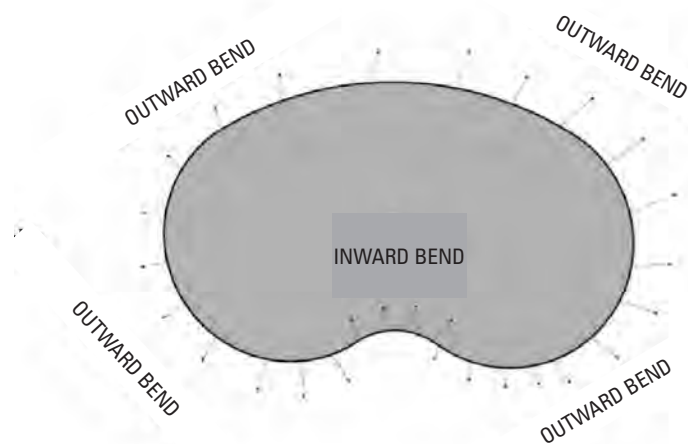
- If the holes are on an outward bend (see diagram at the end of the page), when marking the holes, reduce from 3 to 5mm the standard distance indicated by the drilling template. On an outward bend, the fabric covers more of the pole (**See fig. B**) than if it is a straight line. This is why we reduce the spacing between the poles by a few millimetres. At the time of making the holes, tilt the drill from 2° to 4° towards the outside of the pool with the aim of providing poles with a slightly outward incline. Said incline will guarantee that the net has the optimum tension on the superior part of the barrier. If the bend is not too pronounced, 2° is probably enough; if, on the contrary, the bend is more noticeable, then 4° (**See fig. C**).



- If the holes are on an inward bend (see diagram at the end of the page), when marking the holes increase from 3 to 5 mm the standard distance indicated by the drilling template. On an inward bend, the fabric covers less of the pole (**See fig. D**) than if it is a straight line. This is why we increase the spacing between the poles by a few millimetres. At the time of making the holes, tilt the drill from 2° to 4° towards the inside of the pool with the aim of providing poles with a slightly inward incline. Said incline will guarantee that the net has the optimum tension on the superior part of the barrier. If the bend is not too pronounced, 2° is probably enough; if, on the contrary, the bend is more noticeable, then 4° (**See fig. E**).



The inclination of the poles, depending on the bend, can help achieve the optimum tension on the superior part of the net.

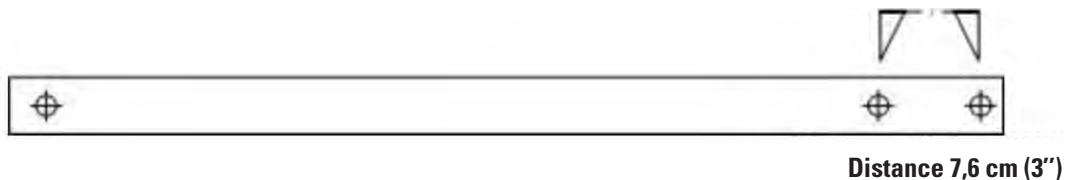


4. INSTALLATION OF PEGS AND PANEL

Once the five holes have been made, remove the interior and surrounding dirt and dust with a vacuum cleaner. Manually insert the pegs, and if required, finish putting them in with the help of a mallet. Then install the first panel. Fitting the poles into the pegs requires a bit of effort so it is more convenient to raise the pole with a slight incline towards the hole in order to slide the supporting end and then to straighten the pole to pin it down completely. If you are not able to fix the pole in place you might need to repeat the drilling.

Note: the fabric of the superior part of the panel could appear to lack tension. Tension will be achieved when all panels are in place and joined together.

FIGURE 2



5. SUBSEQUENT PANELS

Continue on to the next panel with the layout template in order to determine the location of the first pole in this panel. Starting from the hole of the last pole of the panel that has just been installed, apply the template using the two closest holes this time (see figure 2). This space of 7.6 cm represents the space between the last pole of the last panel and the first pole of the next panel.

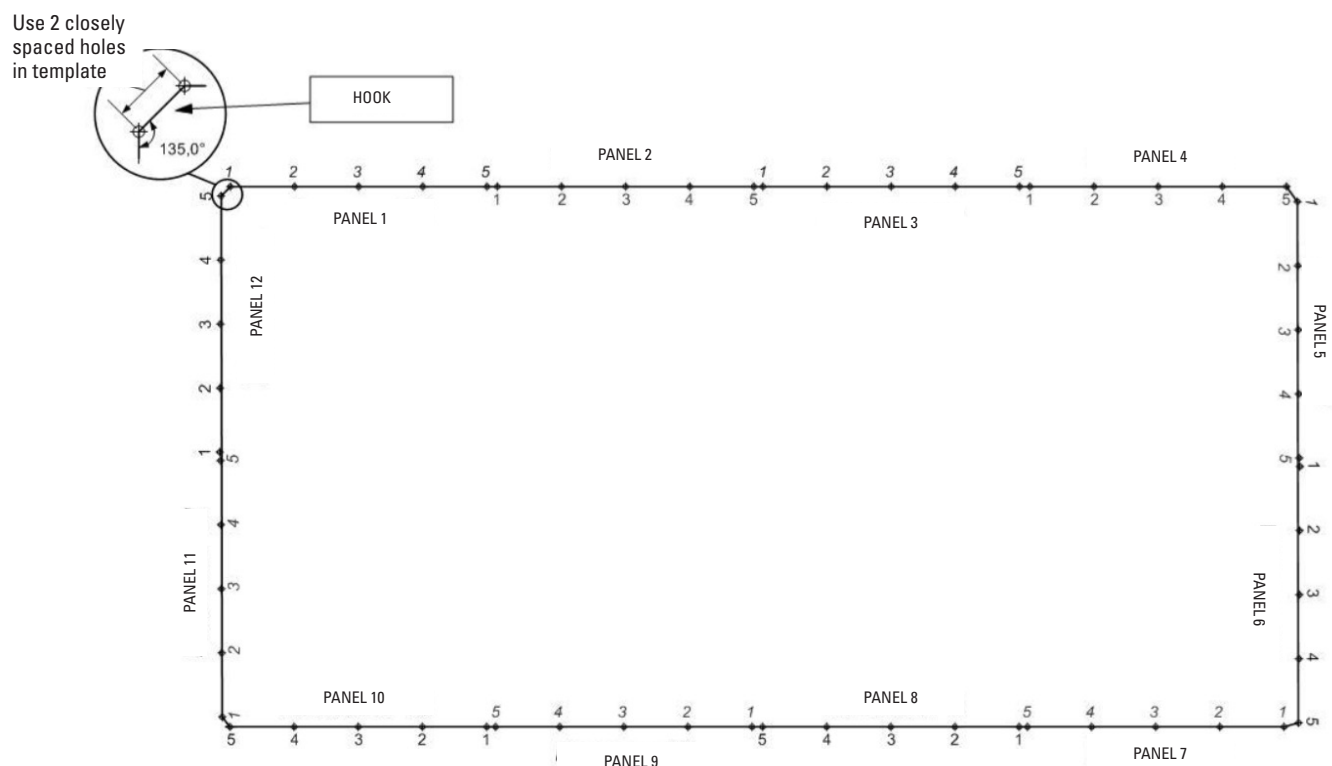
6. REPEAT STEPS FROM PARAGRAPHS 2 TO 5 UNTIL ALL HOLES HAVE BEEN DRILLED AND ALL PANELS HAVE BEEN PLACED.

Important: 90° Angle

We do not recommend constructing the barrier with angles equal or inferior to 90°.

Nevertheless, sometimes it cannot be done any other way.

It is not necessary to use this angle with a single corner pole because tension could make it bend. On the contrary, it is necessary to place in the angle the pole of the panel and the first pole of the next panel, joined by a connection hook. Follow the example of the following diagram.



7. ADJUSTING THE LENGTH OF A PANEL

Sometimes it is necessary to modify the length of a panel. For this purpose, stick to the following procedure with a standard panel.

A) Determine the length of the panel that you wish to modify by measuring the distance between the centre of both holes on the floor.

B) Move that distance on the section of the panel you wish to modify from the centre of the pole that will be in place. Take into consideration the distance on the superior and inferior parts of the net.

WARNING: The distance between two poles must always be equal or inferior to 91 cm.

C) With the scissors, cut the fabric AIMING TO LEAVE 10 CM OF EXCESS LENGTH IN ORDER TO BE ABLE TO MAKE AN ADJUSTMENT IN CASE OF ERROR.

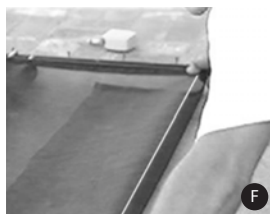
D) Release the flange of the unused pole (for example, the one connected to the excess fabric you have just cut). In order to release the flange, use an electric screwdriver and a standard bit holder (this corresponds to the flange screw).



E) With the help of the cord, trace a straight line between the two marks made in step b).

F) Fold the fabric on itself at 1.5 cm from the line traced previously.

G) Place the fabric on the pole in such a manner that the flange screw holes are aligned with the line traced in step e). The line should fit perfectly with the flange screws. Place the flange and screw it on again completely. Make sure you place the pole in the right direction.



H) Try to replace the panel. If the section has not been modified, go back to stage a).

I) If there is a need to cut excess fabric in the panel, be careful to cut the right segment.

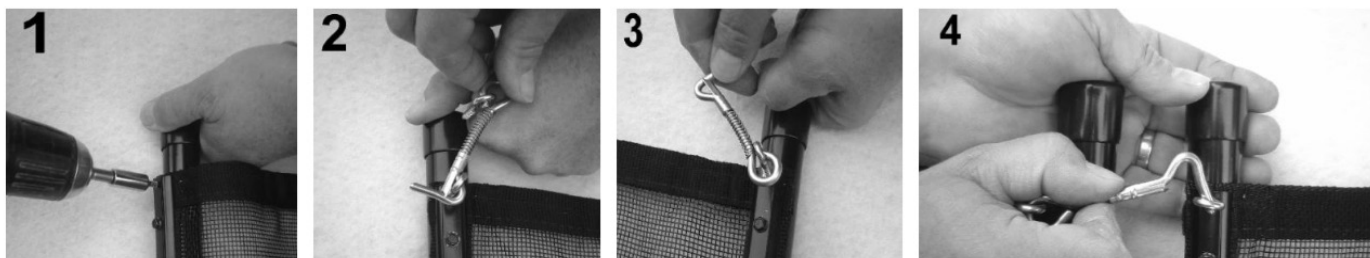
J) OPTIONAL: In order to avoid fraying of superior and inferior edges, a small welding device or lighter may be used to weld wires.



8. INSTALLING THE LOCK HOOKS

When all the holes are drilled and all the panels installed, they need to be connected to one another using the lock hooks included in the package. To install the hooks, follow these steps:

- Release the superior screw of the poles with the help of a screwdriver and a bit holder (See 1).
- With the hook, screw karabiners to the poles (see 2 and 3).
- To close the hook, follow these steps (see 4).
 1. Hold the two poles and put pressure on them to bring them closer together
 2. Release the safety latch (the movable piece on one end of the spring)
 3. Lower the hook and let go of it



USE AND MAINTENANCE

9. ACCESS TO THE POOL

It is possible to access the pool through each of the panel connections, by unblocking the safety hooks.

Follow these steps:

- Hold the two poles and put pressure on them to bring them closer together.
- Release the safety latch (the movable piece on one end of the spring).
- Lift up the hook to release the connection between the panels.
- Lift up the pole by turning it.



WARNING: the pole cannot be removed if you simply pull without turning it at the same time.

IT IS IMPERATIVE THAT ACCESS POINTS ARE CLOSED AT THE END OF THE SEASON OF SUPERVISED SWIMMING.

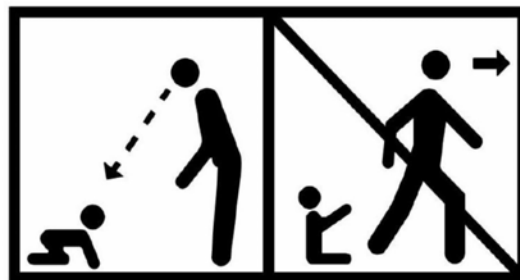
10. MAINTENANCE

Try to regularly monitor all barrier components. If any of the components should be damaged, especially those relating to closing, please contact the shop where you purchased the barrier immediately in order to obtain a replacement part.

It is imperative to replace the elements or groups of elements that are damaged as soon as possible. Do not use parts that are not officially approved by the PROVIDER / INSTALLER.

SAFETY PRECAUTIONS

- THE SWIMMING POOL CAN BE A HAZARD TO YOUR CHILDREN. DROWNING MAY HAPPEN VERY QUICKLY. WHEN CHILDREN ARE NEAR THE POOL THEY REQUIRE CONSTANT AND ACTIVE SUPERVISION, EVEN IF THEY ARE ABLE TO SWIM.
- THIS BARRIER DOES NOT REPLACE COMMON SENSE OR INDIVIDUAL RESPONSIBILITY. THE BARRIER CANNOT REPLACE SUPERVISION CARRIED OUT BY RESPONSIBLE ADULTS WHICH STILL REMAINS THE KEY FACTOR IN PROTECTING SMALL CHILDREN.
- POINTS OF ACCESS MUST BE CLOSED SYSTEMATICALLY WHEN NO-ONE IS HOME, EVEN IF IT IS FOR A SHORT PERIOD OF TIME.
- WARNING! SAFETY IS GUARANTEED WHEN POINTS OF ACCESS ARE LOCKED.
- CHECK WHETHER THERE ARE ELEMENTS NEAR THE BARRIER THAT COULD ENABLE OR FACILITATE CLIMBING THE FENCE.
- CLOSING POINTS OF ACCESS THROUGH AUTOMATED CLOSING SYSTEMS SHOULD BE CHECKED SYSTEMATICALLY.
- WHEN THE BARRIER IS BROKEN OR DAMAGED AND REQUIRES REPAIR WORK, IT IS VERY IMPORTANT TO INCREASE SUPERVISION TO PREVENT SMALL CHILDREN FROM ACCESSING THE POOL.
- LEARN RESCUE TECHNIQUES (CARDIOPULMONARY RESUSCITATION) AND UPDATE YOUR KNOWLEDGE PERIODICALLY. IT COULD SAVE A LIFE IN AN EMERGENCY.
- THE PRESENCE OF PARENTS AND/OR OTHER RESPONSIBLE ADULTS IS REQUIRED WHEN THE POOL IS ACCESSIBLE.



RECOMENDACIONES IMPORTANTES

Antes de empezar, es importante conocer las normas que se deben respetar para instalar la barrera.

- La barrera debe aislar completamente la piscina y todos los accesos a ella
- Todos los lados de la piscina deben contar con protección, ya sea con la barrera o bien con un elemento permanente como una pared, un murete u otra barrera, con la condición de que este elemento respete lo recogido en la norma NF P 90-306 (en especial la obligación de que dicho elemento nunca debe tener una altura de franqueamiento inferior a 1,10 m).
- En caso de que la barrera deba estar unida a otro elemento, procure que este sea lo suficientemente sólido para ofrecer un punto de fijación estable.
- No instale la barrera sobre un suelo inestable, como césped, arena...
- **ATENCIÓN:** es obligatorio respetar un pasillo de al menos 1,10 m entre la barrera y cualquier punto de apoyo fijo o móvil (a un lado y al otro de la barrera)
- Se recomienda instalar la barrera a una distancia mínima de 1m del nivel del agua. En aquellas piscinas privadas de uso individual, se recomienda no instalar la barrera demasiado lejos del vaso, para evitar que esta pierda eficacia.
- No obstante, cuando calcule la distancia entre el agua y la barrera, tenga en cuenta la distancia mínima que le permita llevar a cabo las labores de mantenimiento, como el aspirado. No establezca una distancia muy corta, que termine resultando molesta para las labores de mantenimiento.
- **Antes de utilizar este producto, lea detenidamente las advertencias y las instrucciones adjuntas y siga sus indicaciones. Si no tiene en cuenta las advertencias ni las instrucciones de seguridad, se pueden producir lesiones personales, fallecimientos o daños materiales.**
- Lea este documento con detenimiento y guárdelo para consultas posteriores.
- Nos reservamos el derecho de cambiar total o parcialmente las características de nuestros artículos o contenido de este documento sin previo aviso.

CÁLCULO DE LA CANTIDAD DE MÓDULOS NECESARIOS

A título indicativo, partiendo de una piscina rectangular.

Tamaño de la piscina	Distancia entre la piscina y la barrera	Cantidad de módulos
5 x 5 m	1 m	8
	1,5 m	9
	2 m	10
5 x 3 m	1 m	7
	1,5 m	8
	2 m	9
6 x 4 m	1 m	8
	1,5 m	9
	2 m	10
8 x 4 m	1 m	9
	1,5 m	10
	2 m	11
10 x 5 m	1 m	10
	1,5 m	11
	2 m	13