ASTRALPOOL

GALAXY POOL
ROUND SHAPE

Installation recommendations and instructions for use

Instructions for use Installation recommendations

English

Contents

1. General safety instructions

Please do not let children play at or in the pool without supervision. Explain to them about the dangers (keep the swimming pool covered for example with a safety cover if it is not under supervision).

Always have a shower before getting into the pool. People suffering from circulatory disorders should get into the pool slowly.

Caution: danger when falling in. Low water depth. Do not jump into the pool.

Caution: make sure that only a qualified electrician connects up any electrical appliances such as filter systems, underwater spotlights, etc. according to VDE 0100 Part 702 or your country specification.

2. Before installation:

Read through the installation recommendations and instructions for use thoroughly. Only correct installation prevents the warranty from becoming null and void.

Before starting installation, check that the swimming pool is complete and in perfect condition. Report any transport damage immediately.

2.1 Scope of supply (parts list)

Equipotential bonding is always supplied with every pool.

Pool ca. Ø [m]	Height [m]	Inner cover	Steel wall with slot-in profile in position	Profile handrail with connection tubes	Profile ground rail with connection tubes
4	1.20	1	1	1 set	1 set
5	1.20	1	1	1 set	1 set
6	1.20	1	1	1 set	1 set
7	1.20	1	1	1 set	1 set
8	1.20	1	1	1 set	1 set
9	1.20	1	1	1 set	1 set
10	1.20	1	1	1 set	1 set
5	1.50	1	1	1 set	1 set
6	1.50	1	1	1 set	1 set
7	1.50	1	2	1 set	1 set
8	1.50	1	2	1 set	1 set
9	1.50	1	2	1 set	1 set
10	1.50	1	2	1 set	1 set

2.2 Safety instructions steel casing

Caution: before unpacking the steel casing, please read the danger label on the steel plate and comply with the instructions in the

chapter on installing the pool.

Note: we always recommend concret-ing the base with a reinforced base plate 12 – 15 cm thick. The base plate must be absolutely level.

2.3 Location

The ideal location is sunny and protected from the wind.

English

2.4 The right surface

The place chosen for installation of the swimming pool must be completely flat, so that any little slopes must be evened out accordingly. The ground under the swimming pool should be so-called natural ground. It must not consist of heaped up ground. Any heaped up ground must be compacted in such a way that it can take the necessary swimming pool load of 1200 kp/m² for a pool depth of 1.20 m or 1500 kp/m² for a depth of 1.50 m.

The ground excavated for the swimming pool must be approx. 1 m larger in diameter than the pool itself.

Before you begin with the actual installation of the pool, firstly the ground must be cleared of any possible particles which could damage the inner cover of the swimming pool. If necessary, any remaining uneven patches can be smoothed over with a fine layer of sand. Use a ground protection fleece to protect the swimming pool inner cover. This kind of ground protection fleece should also be used on asphalt, concrete or polystyrene paving. Asphalt, polystyrene and fresh concrete are not compatible with PVC.

We always recommend the use of a ground protection fleece. This is the only way to guarantee a longer service life for the pool inner cover.

2.5 Temperature and wind

The PVC liner of the swimming pool is made of thermoplastic material. In view of the properties of this material, the best conditions for installing the swimming pool prevail when the outside temperature is between 15°C and 25°C.

Note:

If the temperature is too low, the foil is hard and inelastic, and therefore too small.

If the temperature is too high, the foil is soft and elastic, and therefore too large.

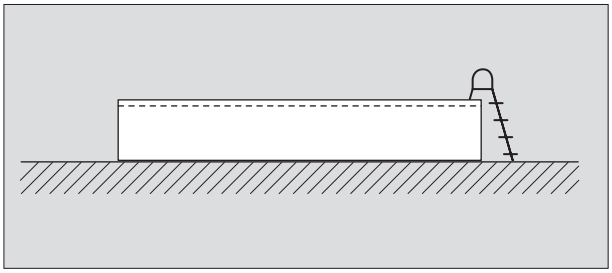
When fitting the inner cover, please note that bright sunshine can cause excessive stretching.

You cannot install the swimming pool when there is a strong wind, because the wind can easily tip the steel casing over. This can cause damage.

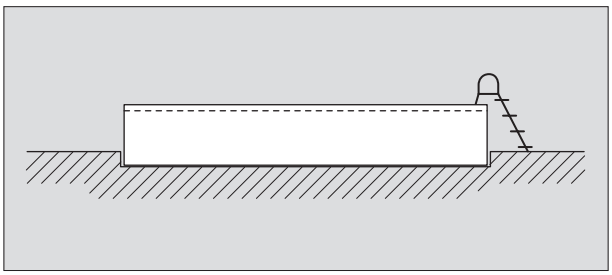
2.6 Installation of the swimming pool

You can install your swimming pool in various different ways:

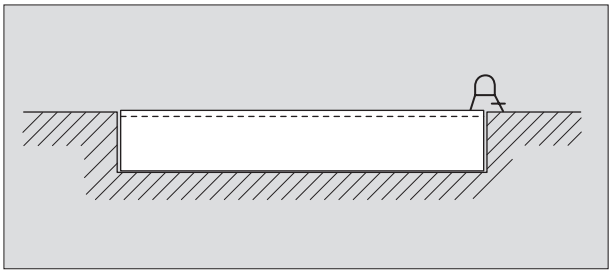
• completely free-standing on the ground



• partly installed in the ground

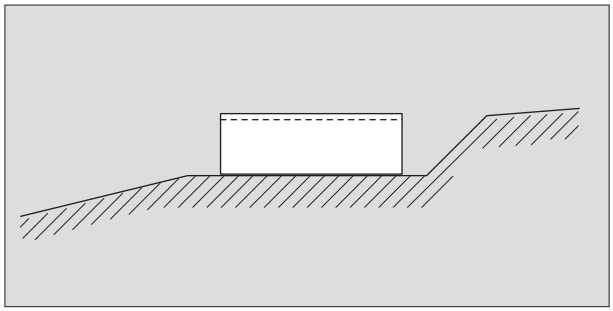


• completely installed in the ground



2.7 Installing the swimming pool on a slope

As already mentioned, the swimming pool must not be installed on heaped up ground which has not been suitably compacted in advance. That means that the installation surface for the complete swimming pool must be in the natural ground of the slope, as shown in the picture. The slope down to the pool must be contained by a small wall or corresponding embankment. The slope must certainly not rest on the wall of the swimming pool.



2.8 Necessary structural work when installing the swimming pool as deep pool

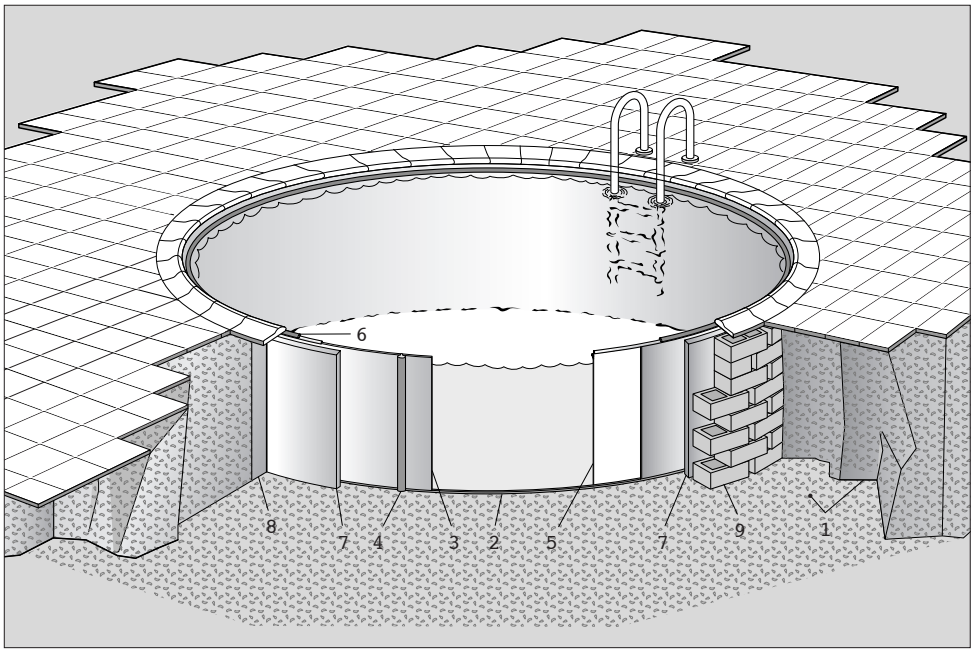
Caution: sand, grit or other free-flowing material must never be used for backfilling the swimming pool installed fully in the ground. We always recommend a layer of lean concrete approx. 20 cm thick as backfilling.

Please note that the backfilling must be installed gradually as the pool is filled with water.

This is particularly important when using lean concrete for backfilling. Concrete is far heavier than water, so that there is a risk of the concrete backfilling causing dents in the pool if it is installed too quickly.

To achieve the best possible results when installing the swimming pool, it is always advisable to create a smooth and absolutely level concrete slab underneath the entire swimming pool.

The backfilling material must not be vibrated nor stamped in, because otherwise this will damage the steel casing (denting on the inside).



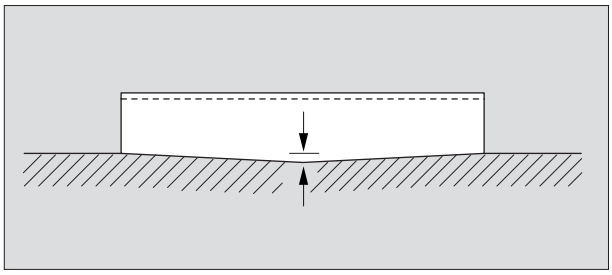
1 Ground
2 Ground rail
3 Steel casing
4 Slot-in profile
5 Pool inner cover
6 Handrail
7 Insulation
8 Lean concrete
9 Brick wall (alternative)

Deep pool with lean concrete backfilling (on the left) or alternately with a brick wall (on the right)

English

2.9 Additional water depth

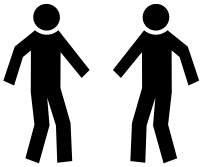
For all swimming pools, you can increase the depth in the middle of the pool by excavating the ground in a cone shape. The highly elastic inner cover of the pool is so stretchy that it can adapt to this increased depth without any problems.



Please consult the following table to see which additional depth is possible by excavating a hollow of this kind, with reference to the individual pool diameters.

Ø	3 m	additional depth approx.	10 cm
Ø	4 m	additional depth approx.	15 cm
Ø	5 m	additional depth approx.	20 cm
Ø	6 m	additional depth approx.	25 cm
Ø	7 m	additional depth approx.	25 cm
Ø	8 m	additional depth approx.	30 cm
Ø	9 m	additional depth approx.	30 cm
Ø	10 m	additional depth approx.	35 cm

3. Installing the swimming pool



At least 2 persons are necessary to install the swimming pool.

The metal edges of the steel casing are very sharp! The steel casing has been roll-ed up and is under considerable tension. Always wear safety gloves throughout the entire unpacking and installation procedure.

Warning! Risk of injury!
While cutting through the strap retainers wound round the roll of steel sheeting, it is very important for a second person to hold the upper end of the roll together with both hands wearing safety gloves for protection. When cutting through the strap retainers of the roll which has been stood on end, always work from bottom to top, i.e. cut through the strap retainer nearest to the ground first.

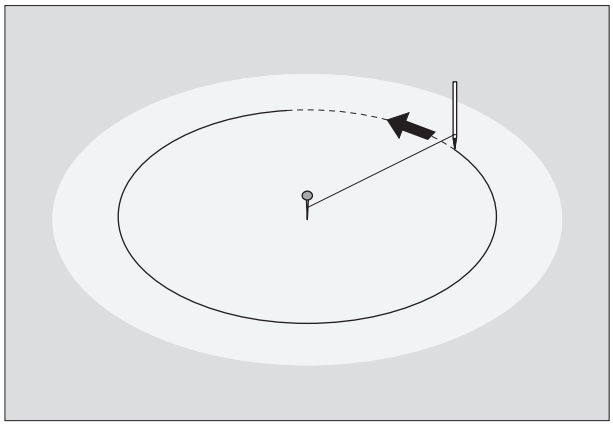
Otherwise there is a risk of the tension being released upwards in an uncontrolled one-sided manner with the steel roll unwinding out of control.

Risk of lacerations!

English

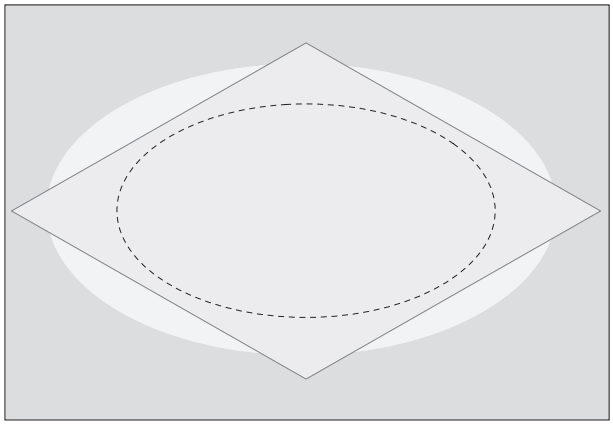
3.1 Marking the outline of the pool

Once you have prepared the ground, draw the outline of the swimming pool on the ground using a cord compass.



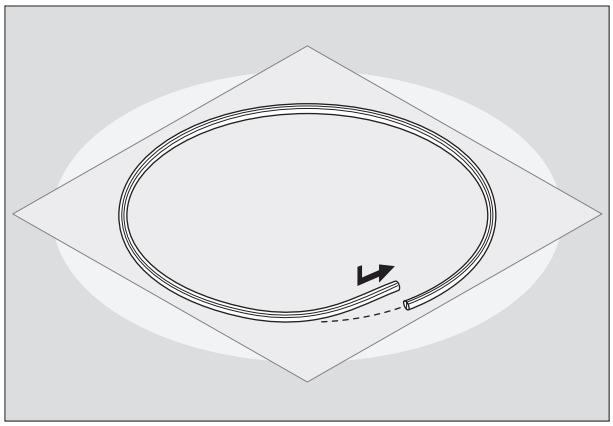
3.2 Positioning the bottem fleece

Position the bottem fleece on the flat ground which has been cleared of any pointed objects. The bottem fleece is square and is cut to size after installing the pool according to the steel casing.



3.3 Positioning the ground rail

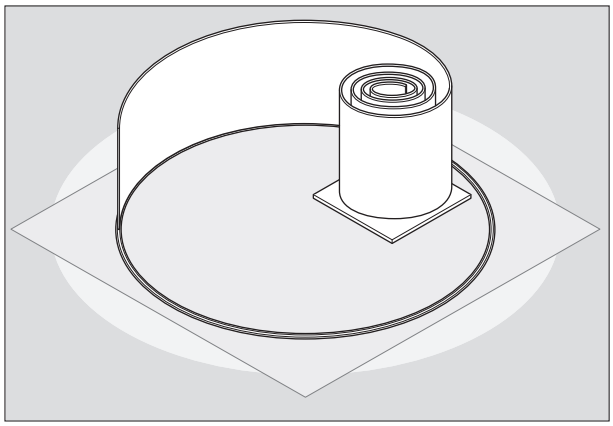
Connect the individual segments of the ground rail to make a circle, using the slot-in tubes. The finished ground rail circle must be positioned precisely on the line you drew on the ground for the swimming pool circumference. The ground rail can be cut exactly to size after installing the wall of the swimming pool by sawing off the last segment of the ground rail using a hacksaw.



3.4 Installing the pool wall

Place a thick board in the middle of your ground rail circle and place the rolled up sheet casing on it (as shown in the picture).

Caution: the prepared cutouts for skimmer and intake nozzle must be at the top!
Please think about the wind direction.



Now unroll the steel wall slowly, inserting the steel casing into the ground rail as it is released from the roll.

You must wear safety gloves!

Please make sure that the white-coated side of the swimming pool wall points to the outside (not for Metal-tec).

Note: put a few segments of the handrail in position to hold the steel casing provisionally during the installation process. Once the steel casing has been installed and inserted in the ground rail, compensate for any possible differences in length between the ground rail and the steel casing at the ground rail.

Important:

The skimmer cutout must be positioned in the right place (see optimum water feed system: longitudinal flow or circular flow). Consult your swimming pool expert first.

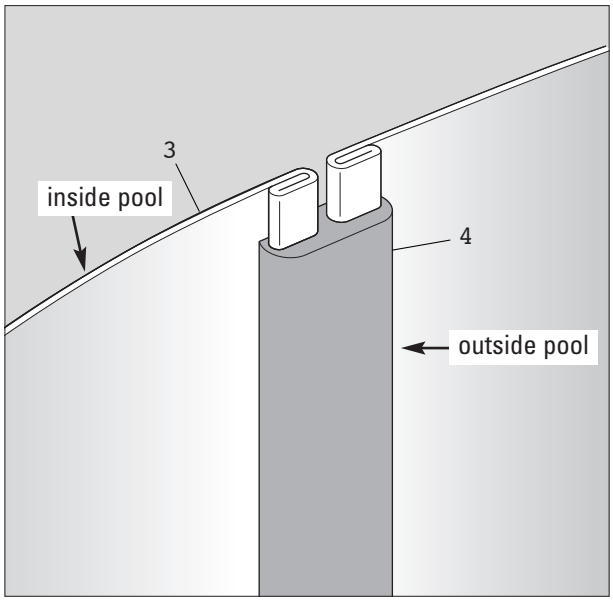
Cutouts:

Carefully make the prepared openings for the fitted skimmer and nozzle, filing and carefully deburring the edges. Use the double gasket for the skimmer. If this is not provided, treat the cut edges with a corrosion inhibitor.

Note: if the prepared openings are not required, seal them with the enclosed foil.

3.5 Connecting the ends of the steel casing with the slot-in profile

Once the complete steel casing (3) has been inserted in the ground rail, connect the two ends of the steel casing with the slot-in profile (4) (see drawing). Please ensure that the rebate of the steel casing fits properly in the slot-in profile. It must be possible to slide the profile down over the rebate. It may help to move the ends of the steel casing gently back and forth. The profile must never be put on incorrectly or by use of force. This damages the wall and reduces the stability of the swimming pool.



3.6 Fitting the inner cover foil

Climb into the swimming pool using a ladder (wear rubber boots or go bare foot) and place the inner cover foil on the middle of the swimming pool floor.

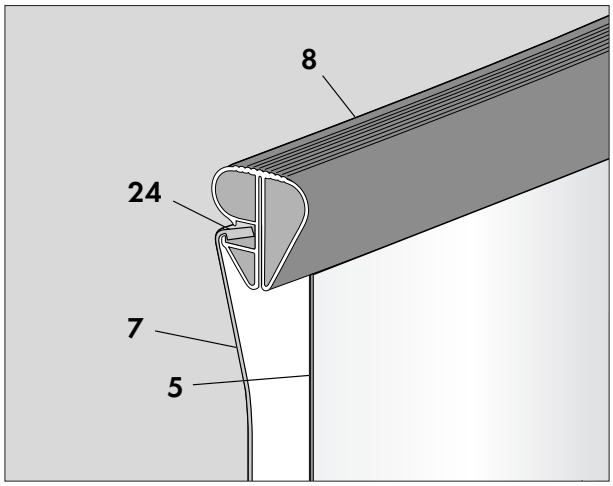
Now start to spread the foil out from the middle to the outside so that there is even spacing between the floor/wall and the seam which connects the bottom with the sides.

Note: the inner cover is produced to be undersized, i.e. it is slightly smaller than the sheet casing. This is the only way to avoid possible folds in the foil, but they cannot be prevented completely. However, this does not constitute any quality impairment and has no effect on the service life of the foil. Because the foil is undersized, the piping has to be stretched when fitting the foil; more when the weather is cold, and less when it is warm.

3.7 Fitting the inner cover foil with wedge piping in the handrail with adapter profile for the wedge piping.

Advantages:

- Easier procedure: steel casing is immediately stable.
- Edge stones can be placed directly on the handrail.
- Slanting folds can be dealt with easily because the wedge piping can be moved horizontally.



Put the handrail (8) on the steel casing (5) - see next chapter. The steel casing now stands firmly so that the following steps are much easier.

Now slide the wedge piping (24) of the pool inner cover (7) into the chamber of the adapter profile until the entire inner cover has been fitted in position.

3.8 Fitting the handrail

Press the first segment onto the edge of the swimming pool over the fitting profile or special profile. Then fit the second segment of handrail exactly onto the first segment using the connection tube. Continue until the entire handrail has been completed. Adjust the precise length using the provided partial piece of handrail or by sawing the handrail with a hacksaw.

Once all handrail segments have been fitted on the edge of the swimming pool, knock the individual handrail pieces onto the swimming pool wall using your hand or a rubber mallet. If gaps have appeared between the segments during the installation process, please loosen the handrail again and push the segments closer together.

3.9 Filling the swimming pool

Check that the inner cover foil fits properly. Remove any possible folds on the floor of the swimming pool. Now let some water into the swimming pool. Once the water is approx. 2 cm deep, you can smooth out any remaining little folds with a brush or using your feet.

Now let water into the swimming pool, filling it gradually.

Important! Please note:

Do not install the fitted components such as skimmer or nozzles, which entail cutting the corresponding openings in the foil, until the water level comes up to just below the level of the fitted parts.

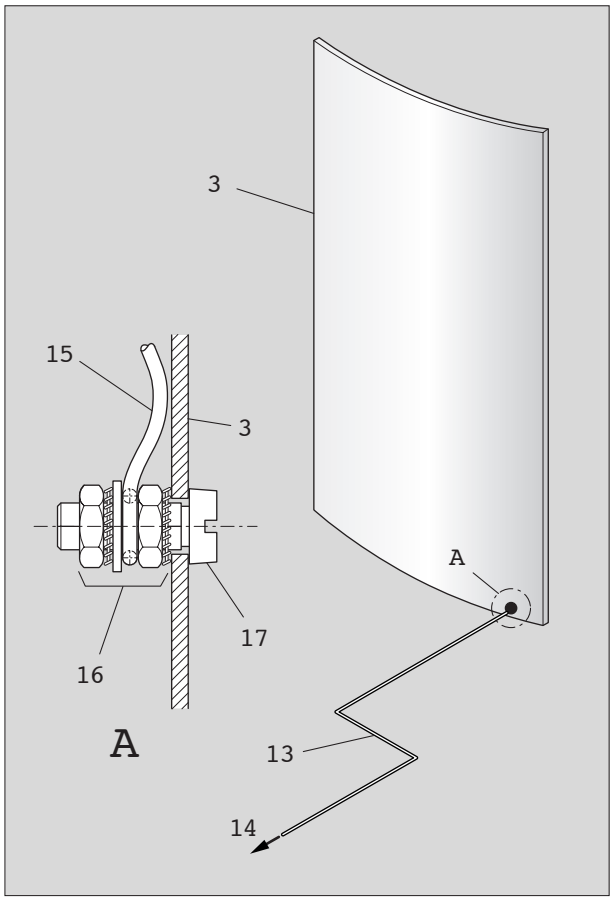
3.10 Equipotential bonding

DIN 57100 (Part 702) and VDE (Part 702) stipulate equipotential bonding for swimming pools.

Please proof this regarding your country specification.

To this end, the provided parts can be used, for example, according to the following drawing.

Protect connection parts from corrosion (varnish) when exposed to moisture.



3 Steel casing
13 Equipotential bonding
14 To the earthing
15 Equipotential bonding cable
16 Nut, lock washer, plain washer, nut, lock washer
17 Screw

4. Instructions

4.1 Important when emptying the pool

If the swimming pool is to be emptied and cleaned, it should be refilled again preferably on the same day. Otherwise there is a risk particularly during bad weather (rain) of the backfilling shifting and deforming the steel casing.

When using a pump to empty the swimming pool, make sure that the water is drained at a good distance and certainly not allowed to seep into the ground in the immediate vicinity of the swimming pool.

4.2 Repairs

Damage to the pool inner cover can be dealt with easily using a repair kit. Please comply with the instructions enclosed with the repair kit.

If the paintwork on the swimming pool steel casing is damaged, please repair the damage using commercially available paint suitable for outdoor conditions.

4.3 Winter storage

Swimming pools which have been partly or completely installed in the ground can survive the winter full of water. All parts of the swimming pool are elastic enough to withstand the weather conditions.

Please note:

Before the frost period starts, remove all fitted parts such as skimmers and filter systems. If the skimmers or nozzles have been permanently installed, lower the water level accordingly. Please also remove the swimming pool ladder before the frost period starts.

It is advisable to protect the swimming pool with a fleece cover.

To avoid unnecessary cleaning work in the spring, we recommend the use of a winter protection agent. This winter protection agent is simply added to the swimming pool water and prevents limescale and dirt from settling on the pool inner lining; it also prevents algae forma-tion in the water. This makes the next spring cleaning much easier in your swimming pool.

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