



Stardeck AX-IN, protects beautiful pools

SUBMERGED COVER WITH MOTOR INTEGRATED INTO THE AXLE

BWT STARDECK AX-IN SUBMERGED AUTOMATIC COVERS

Classic, High Level and inéo versions

INSTALLATION MADE EASY

With the Stardeck AX-IN slat cover, there is no need for a dry pit. The leaktight motor is located in the pool, integrated into the axle.

Fast: in just one hour, the Stardeck AX-IN mechanical structure is installed!

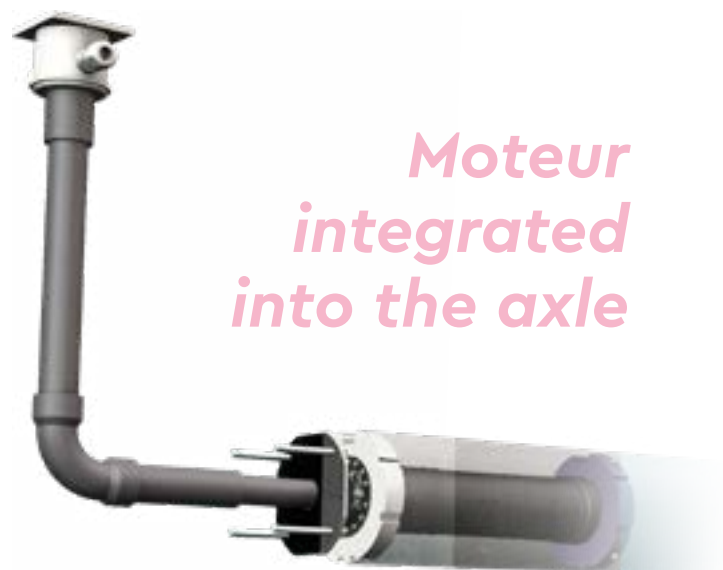
A SIMPLE, CLEVERLY DESIGNED SYSTEM

Stardeck AX-IN covers belong to the BWT range. They benefit from the know-how and the professionalism of an industry leader recognised for the excellence of its products and services.

CLEANER, MORE TEMPERATE WATER

Stardeck AX-IN covers inhibit photosynthesis thus limiting the growth of microscopic algae. Your pool water is cleaner, this saves on filtration time and pool chemicals.

The cover apron shelters your pool against cool nights and cold gusting winds. You can begin your pool season in early spring, and extend it into late Indian summers.



ADVANTAGES

- Designed for new builds,
- No dry motor pit,
- Beautiful finish,
- Compatible with concrete walls of any thickness,
- WinterClean system to keep the pool clean,
- Long term guarantee,
- Complies with regulations in effect,
- Wired in via a deck box located just behind the coping at the same height as the top of the pool wall,
- Discreet motor, runs very quietly.
- Available in non-declutchable version and declutchable version that allows the pool to be secured in the event of a power outage or motor failure.
- Comes in sealed6in fitting and wall mounted fitting versions

SUMMER AND WINTER, BWT OFFERS THE BEST PROTECTION



LEGAL NOTICES

All BWT covers comply with the French standard NF P 90-308 (May 2004 version concerning pool protection) in as far as all items comprising the cover are supplied by BWT POOL PRODUCTS.

Pool safety cover intended to deny children under five access to the pool. This cover is no substitute for common sense or individual responsibility. Nor is it intended to replace the vigilance of parents and/or responsible adults that remains the key factor in ensuring the safety of young children.



BWT, THE PERFECT SLAT

... by design

BWT slats are the best in every category: **exceptional buoyancy, excellent insulation, extremely reliable.**

They were designed to satisfy the most demanding pool owners.



EXCLUSIVE ANTI-TILT MECHANISM

The angle of deflection of the slats is the smallest available on the market (-50° to +15°). This limits the sinking of the slat cover under the weight of a person, and provides better protection in the event of a fall onto the cover.

Featuring rigid slats, each with three air cells, BWT Pearl Protect covers are the outright winners in the buoyancy category. An added safety feature.

A BWT exclusive!

REDUCED EVAPORATION FROM INDOOR POOLS

On indoor pools, the cover slats form an effective barrier that prevents evaporation and subsequent condensation on walls and windows. This significantly reduces heat loss and generates cost savings.

SLAT COVER FEATURES

- Dynamic contour, for excellent transmission of stress loading and easy deployment
- Resists winding in the wrong direction
- Supports the weight of an adult up to 100 Kg
- Slats fastened with hooks
- Ultrasonically welded end plugs ensure that the slat is completely leaktight
- NF P 90-308 standard compliant

PRESENTATION ON DELIVERY

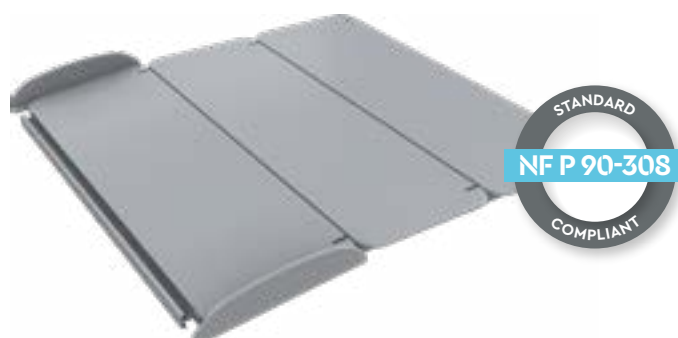
- Delivered in pre-assembled sets of 6 slats, assembly is 2 to 3 times faster,
- Slat accessories are mounted in the factory.

SLATS THAT SLIDE TOGETHER

The slats are designed to slide together. Ideal for larger pools, this method of assembly is suitable for all types of slat cover. A cleverly designed system, down to the finest detail.

ASSEMBLY BY CLIPPING

An alternative to the sliding assembly method, the clipping method is suitable for pools up to 4 m wide located in areas without much room for manoeuvre.





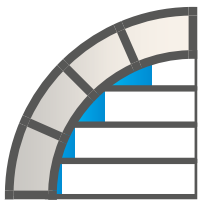
An environmentally responsible solution

By keeping your pool clean and reducing the filtration time, BWT Pearl Protect saves on energy and on pool chemicals, this helps lessen your pool's ecological impact on the environment. Lastly, the PVC slats of your BWT Pearl Protect cover can be recycled.

SLAT COVER FINISHES

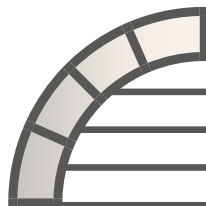
BWT covers can be made to fit straight steps, roman steps and even free-form steps.

There are two types of finish available : stepped or shaped.

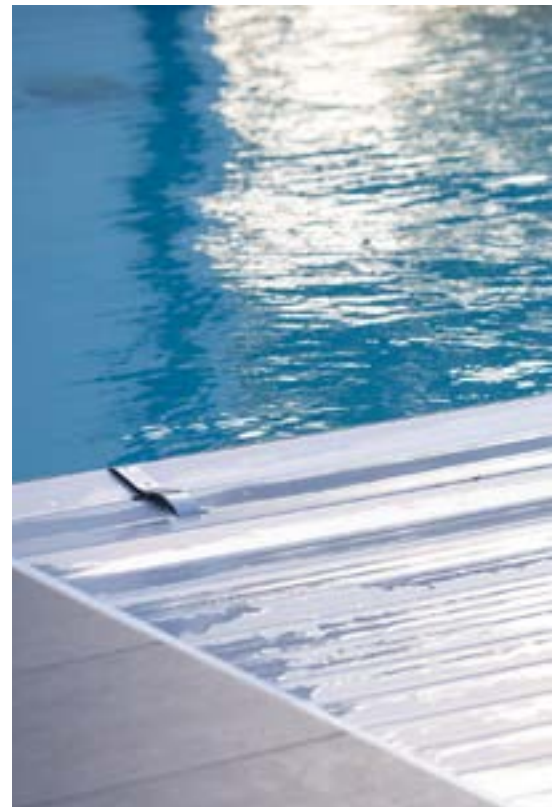


Stepped finish
(welded plugs)

Maximum gap = 250 mm

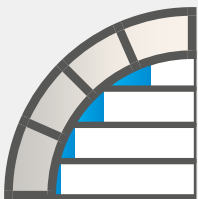


Shaped finish
(smoothed mastic)



POLYCARBONATE SLAT COVER APRONS

Available only for submerged covers with a stepped finish.



Finition en créneau
(bouchons soudés)

Angles with a radius or cut-off less than or equal to 150 mm are included in the prices of the above aprons at no extra charge.



SAFETY FIRST !

Enjoy your pool with total peace of mind

SAFETY GUARANTEED

A Stardeck AX-IN cover, like all covers from the BWT range, is the best means of preventing accidental fall into your pool. Stardeck AX-IN covers comply with the safety standard NF P90-308.

With Stardeck AX-IN, you can enjoy your pool with total peace of mind.



With the simple turn of a key, and in just a few seconds, your cover closes effortlessly over your pool. Your pool is secured. And your mind can rest easy.

DISCREET AND ELEGANT DESIGN

Stardeck AX-IN covers are installed in the pool. They are totally hidden from view and fully integrated into the pool. The visual appeal of your pool surroundings is carefully preserved. A must for retrofitting to existing pools and new builds.

SECURE THE
POOL IN THE
EVENT OF A
POWER FAILURE
OR BREAK
DOWN OF THE
MOTOR!



SAFETY FASTENERS



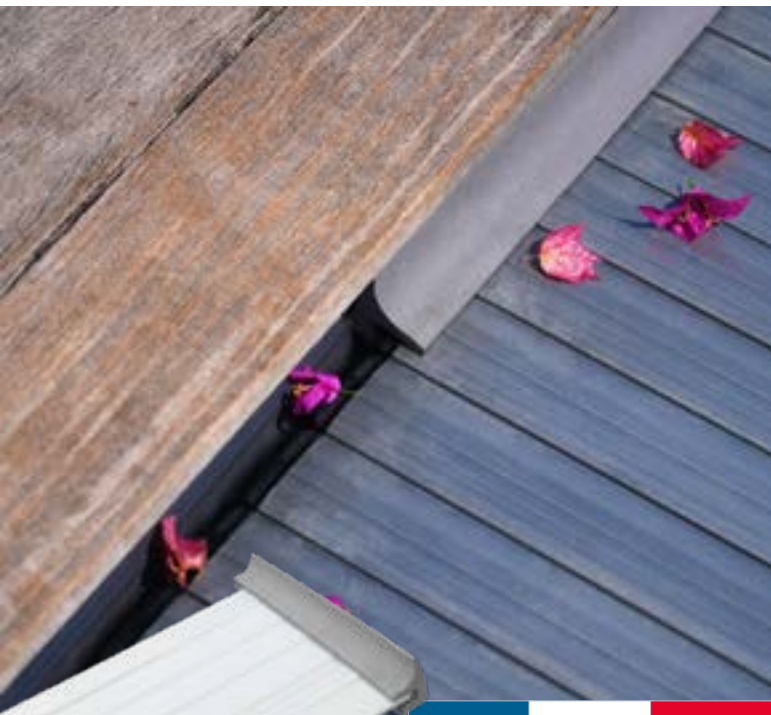
A wide choice of colours for your Lock safety fasteners.

9 colours available, matched to the liner colours:



Wall mounted or Sub-coping

White	Light blue	Blue grey	Dark blue
Beige	Grey	Anthracite grey	Black
Stainless steel			



COMPATIBLE WITH ALL SLATS ON THE MARKET

WINTERCLEAN P-F

The WinterClean P-F system is comprised of segments of high density polyethylene that clip onto the slats to cover the gap between the end of the slats and the pool wall.

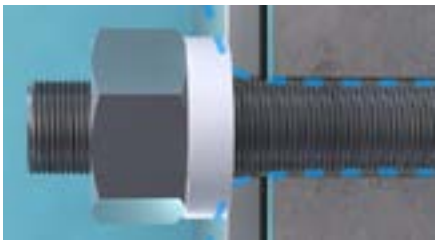


FASTENERS & DECLUTCHABLE

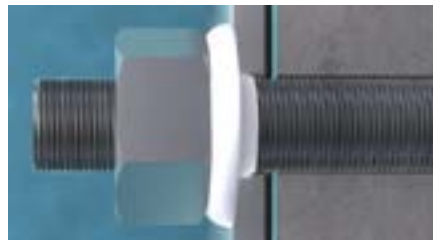
Adapt your cover to your pool

WALL FASTENED

Before tightening

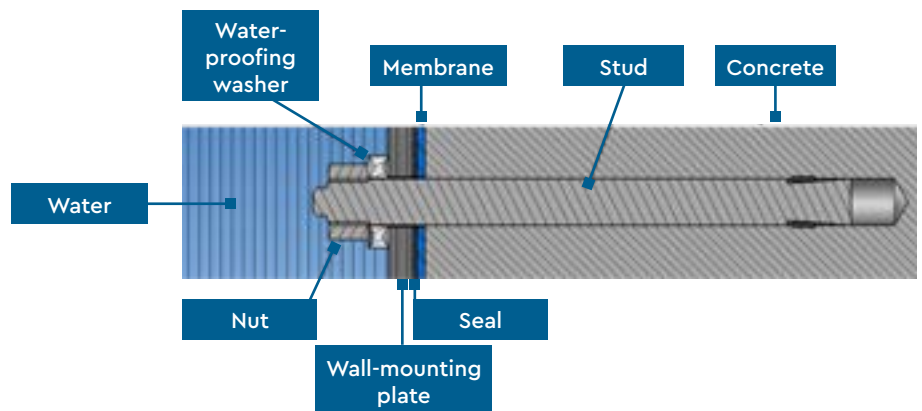


After tightening



BWT Pool Products now offers a directly wall fastened version of its Stardeck AX-IN cover. The challenge with this method is to ensure the leaktightness of the mounting. A plastic washer ensures leaktightness both between a plate and the nut, and in the threading of the mounting bolt on which the nut is tightened.

By removing the need for a plate behind the membrane, this type of washer makes it much easier to ensure the leaktightness of a wall fastener. It is therefore suitable for renovation projects with mounting directly on the membrane. The only prerequisite for use is the type of wall: the wall must be made of concrete, with a rigid surface and the least possible amount of roughness.



Motor clutched



Cross-sectional view



Motor declutched



Cross-sectional view



DECLUTCHABLE

BWT Pool Products has designed an easy to use declutching system for its Stardeck AX-IN cover. It is based on a removable pin, once withdrawn, the hub can rotate freely in the ring. As the motor is mounted on the hub, the whole axle is freed. A casing is installed to protect the slat apron from the declutching pin, this reduces the width of the cover by 21 mm.

Installation video of mechanical structures



Sealed-in fittings
with or without declutching



Wall mounting
with or without declutching



COMPATIBILITY

BWT Pool Products designed these two systems to be combinable to offer the installer the widest choice possible. Stardeck AX-IN is available in 4 versions :

- The sealed-in fittings without declutching version
- The sealed-in fittings with declutching version
- The wall fastened without declutching version
- The wall fastened with declutching version

Both of these innovations, declutching and wall fastening, are also compatible with INÉO covers. Beam mounting plate for INÉO with prefabricated pit wall. This solution offers a further advantage, the interaxial distance between the two INÉO beams is systematically respected, simplifying the installation of the duckboarding.

Throughwall flange
without declutching



Throughwall flange
with declutching



Wall mounted
with declutching



Wall fastened
without declutching



Beam mounting plate for INÉO
with concrete pit wall



Beam mounting plate for INÉO
with concrete pit wall prefabricated pit wall



HARMONISE YOUR COVER DESIGN

POOL FITTINGS

- Colour matched to the beam.

BEAM

- The beam supports the duckboarding modules on pools with a standard water level.
- There are two types of beam to choose from:
 - A beam 133 mm high
 - › Compatible with pools of all widths
 - › Compatible with copings between 30 and 55 mm high
 - A beam 100 mm high
 - › Compatible with pools less than 4.09 m wide
 - › Compatible with copings between 20 and 40 mm high
 - › Allows the water level in the pool to be raised
- The beam is pre-cut in the factory to ensure a perfect fit in the pool for which it was made.
- Beams are mounted on embedded units installed flush with the top of the pool wall. They are delivered with end-pieces that allow their height to be adjusted in line with the coping nose.
- Beam for fixing under coping: The lacquered aluminium beams are 133mm high. They are mounted on adjustable end shoes, allowing them to be aligned with the nose of the coping.
- They are made of lacquered Aluminium and are available in a range of colours.



Beams for fixing under coping



Beams for covers mounted on a unit sealed into the wall



BWT Inéo and Inéo AX-IN cover beams

	BWT Stardeck AX-IN	BWT Stardeck AX-IN High water level	BWT Stardeck Inéo AX-IN
White	✓	✓	✓
Beige	✓	✓	
Grey	✓	✓	

PIT WALL

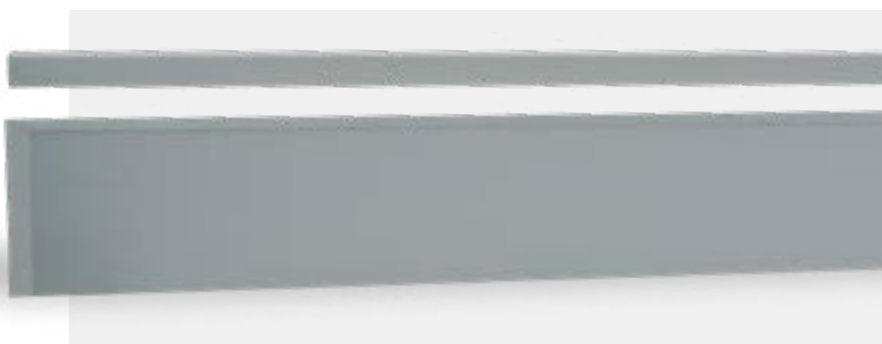
Specially designed to ensure compliance with the safety standard NF P90-308, each pit wall is custom made in the factory. Compatible with all types of pool waterproofing (tiles, liner, reinforced PVC, etc.).

The pit walls are fastened to the embedded beam mounting units.

	BWT Stardeck AX-IN	BWT Stardeck AX-IN High water level	BWT Stardeck Inéo AX-IN
White PVC	✓	✓	✓
Beige PVC	✓	✓	✓
Grey PVC	✓	✓	✓
Anthracite grey PVC			✓

Components:

- 2 tinted PVC lateral guide rails,
- 1 tinted PVC top finishing strip with 1 inner reinforcing Aluminium bar,
- 1 pit wall comprised of tinted PVC panels 40 mm thick that are slotted together.



DUCKBOARDING

The duckboarding laid over the Stardeck AX-IN cover pit is delivered with wedges (height 30, 40 or 50 mm) to allow the height of the duckboarding to be adjusted to that of the coping nose.

Three sizes are available: length 680, 830 or 950 mm, width 500 mm.

You can choose the size best suited to the length of your pool to optimise the length of the swimming area.

	BWT Stardeck AX-IN	BWT Stardeck AX-IN High water level	BWT Stardeck Inéo AX-IN
White PVC	✓		✓
Beige PVC			✓
Grey PVC	✓		✓
Anthracite grey PVC			✓
Inéo to be welded			✓
Ready to tile			✓
Exotic wood	✓	✓	
Class IV pine	✓		

MECHANICAL ASSEMBLY

- 1 throughwall flange,
- 1 bearing sealing plate,
- 1 Aluminium axle assembly with drive motor,
- 1 electrical panel featuring programmed electronic ends of travel,
- 3 or 4 counterweight depending on the width of the pool.

BWT STARDECK AX-IN CLASSIC

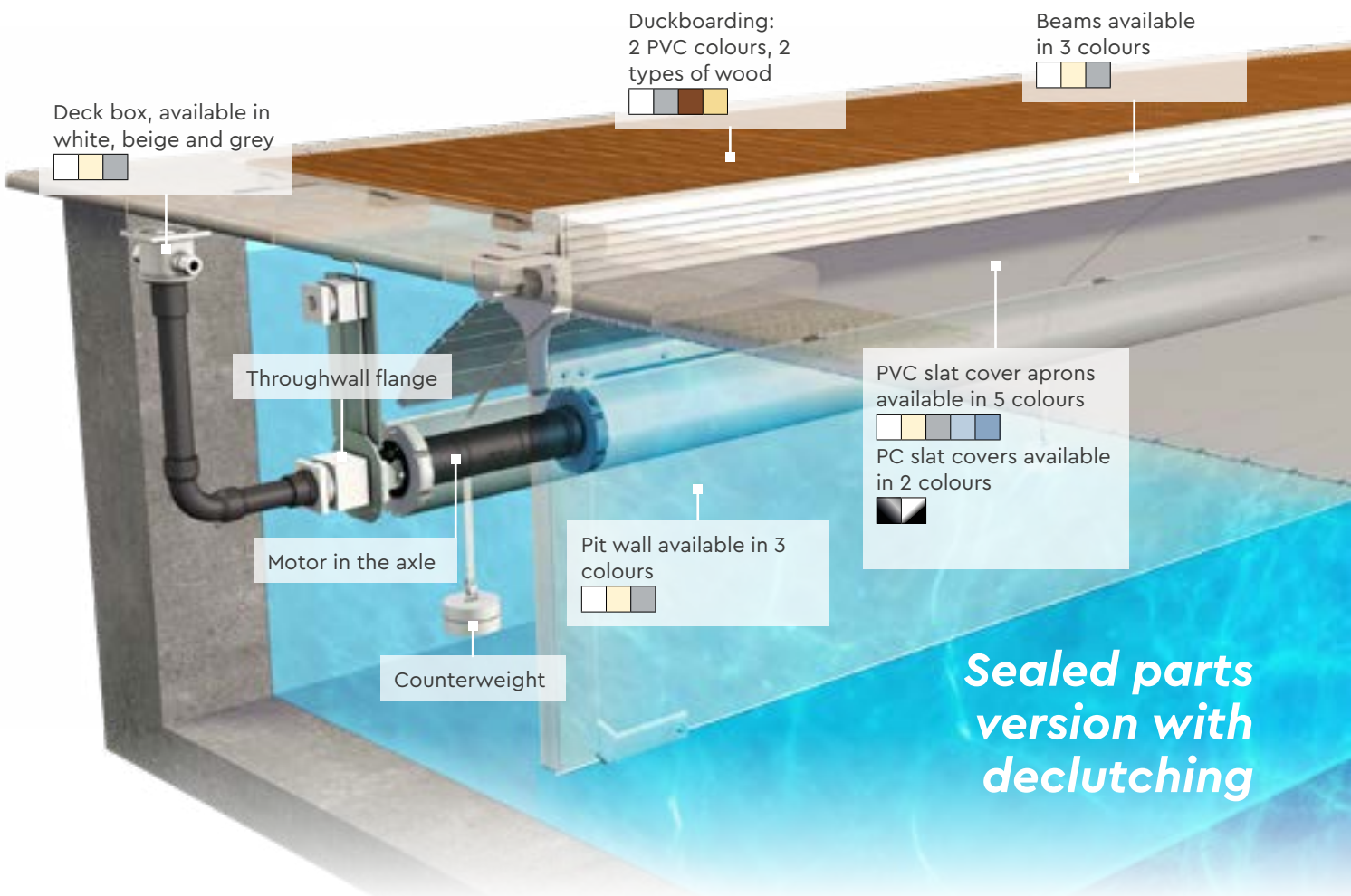


MAXIMUM DIMENSIONS

The maximum dimensions of a Stardeck AX-IN cover are 20 x 6.09 m, with PVC slats.

A CHOICE OF MOUNTING METHODS

If the quality of the wall allows, Stardeck AX-IN covers can be mounted directly on the pool wall. By adding a pit wall, a Stardeck AX-IN cover can be retrofitted to an existing pool not originally equipped with a cover.





BWT
STARDECK AX-IN
PROTECTS
LARGE SIZED
POOLS

BWT STARDECK AX-IN HIGH WATER LEVEL

UNRIVALLED KNOW-HOW

The BWT offers years of experience, along with state-of-the-art manufacturing tools, to ensure a top quality, repeatable and rigorously monitored production process.

With BWT mirror skimmers, you can raise the water level in your pool to 5 cm below the coping.



- Stardeck AX-IN is compatible with **High Level skimmers**, these allow you to create a beautiful body of water that almost touches the coping.
- This cover can be installed on pools fitted with conventional coping stones between 30 and 55 mm high, or with 20 mm high coping stones. The **high water level brackets** are mounted on plates sealed under the coping without piercing the pool's waterproofing finish.
- Stardeck AX-IN High Water Level covers feature duckboarding made of **massaranduba**, a very dense, naturally waterproof exotic wood. This duckboarding can support the weight of an individual weighing up to 80 kg. The modules are 1 m wide, reducing the number of brackets to be installed.
- In the case of the High Level model, the pit wall is fastened to the pool walls using sub-coping mounting plates **without piercing** the pool waterproofing.
- For a **flawless finish**, the duckboarding is finished with an Aluminium strip. A choice of colours is available: White, beige, grey or wood.

White

Beige

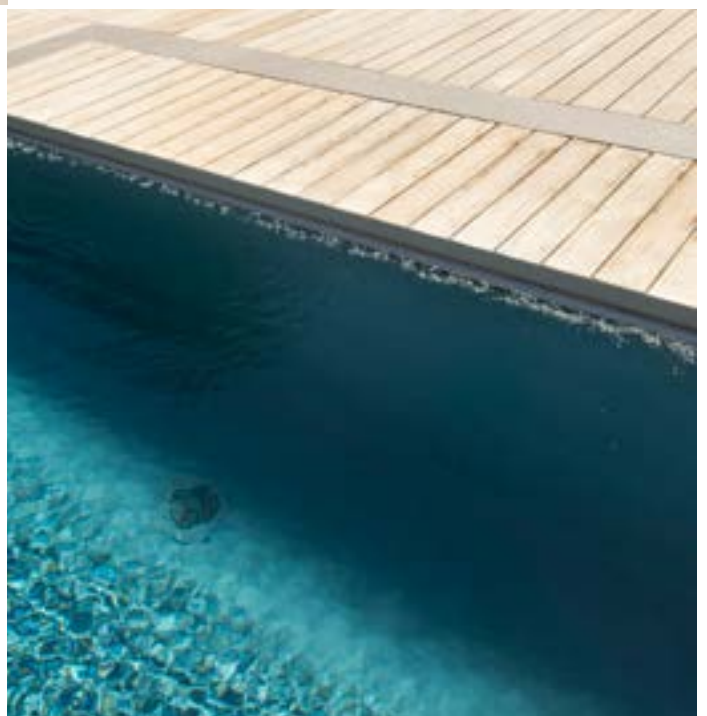
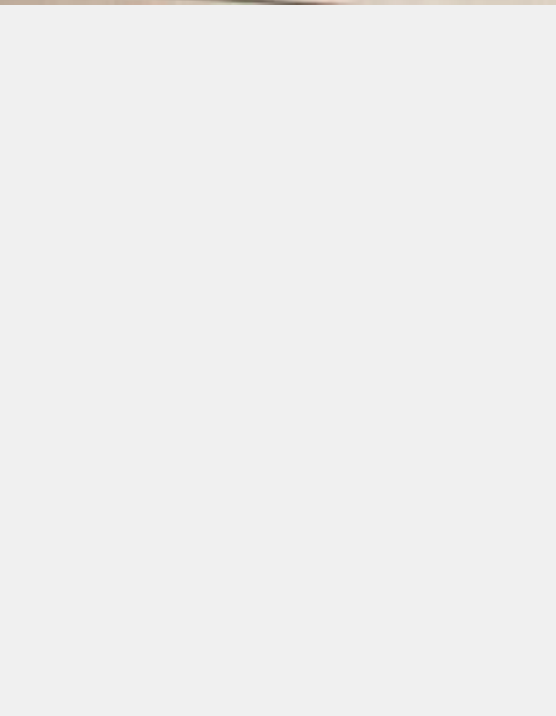
Grey

Exotic wood

- Compatible with all pool waterproofing finishes: tiles, liner, reinforced PVC.



TAKE YOUR
POOL TO THE
NEXT LEVEL!



BWT STARDECK INÉO AX-IN

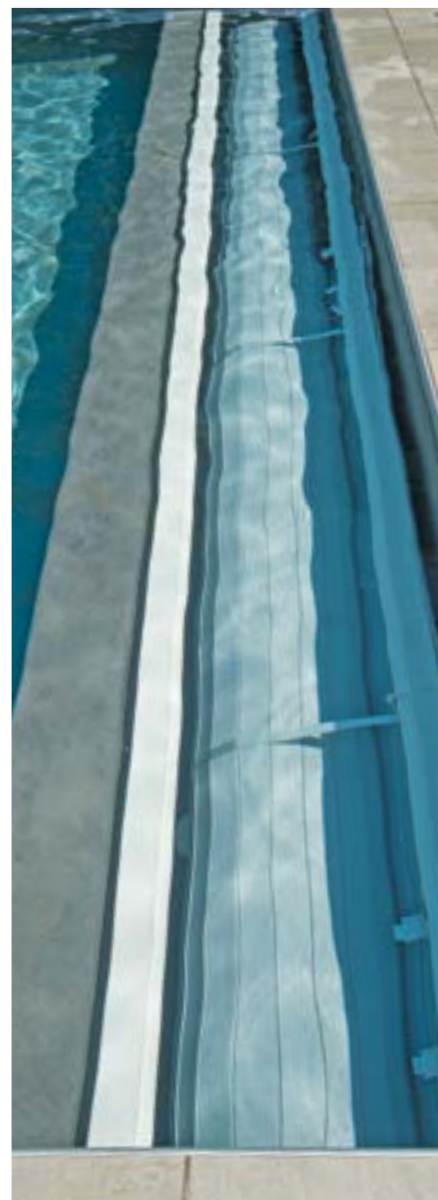
ADVANTAGES

- Beautiful finish,
- Multiple configurations possible,
- More room for swimming.

GIVE FREE
REIGN TO
YOUR
IMAGINATION!

COVER PIT UNDER THE WATER LINE: SEAMLESS INTEGRATION

With the Stardeck Inéo AX-IN model, you can choose the depth of the cover pit; depending on your project, you can have a barely submerged deck or make it first tread of the steps.



IMPORTANT

- Not compatible with liners,
- Requires a main drain and a return fitting in the cover pit,
- Maximum dimensions of a Stardeck Inéo AX-IN cover :
 - › Width: 6,09 m
 - › Length: 16 m (axle depth included)

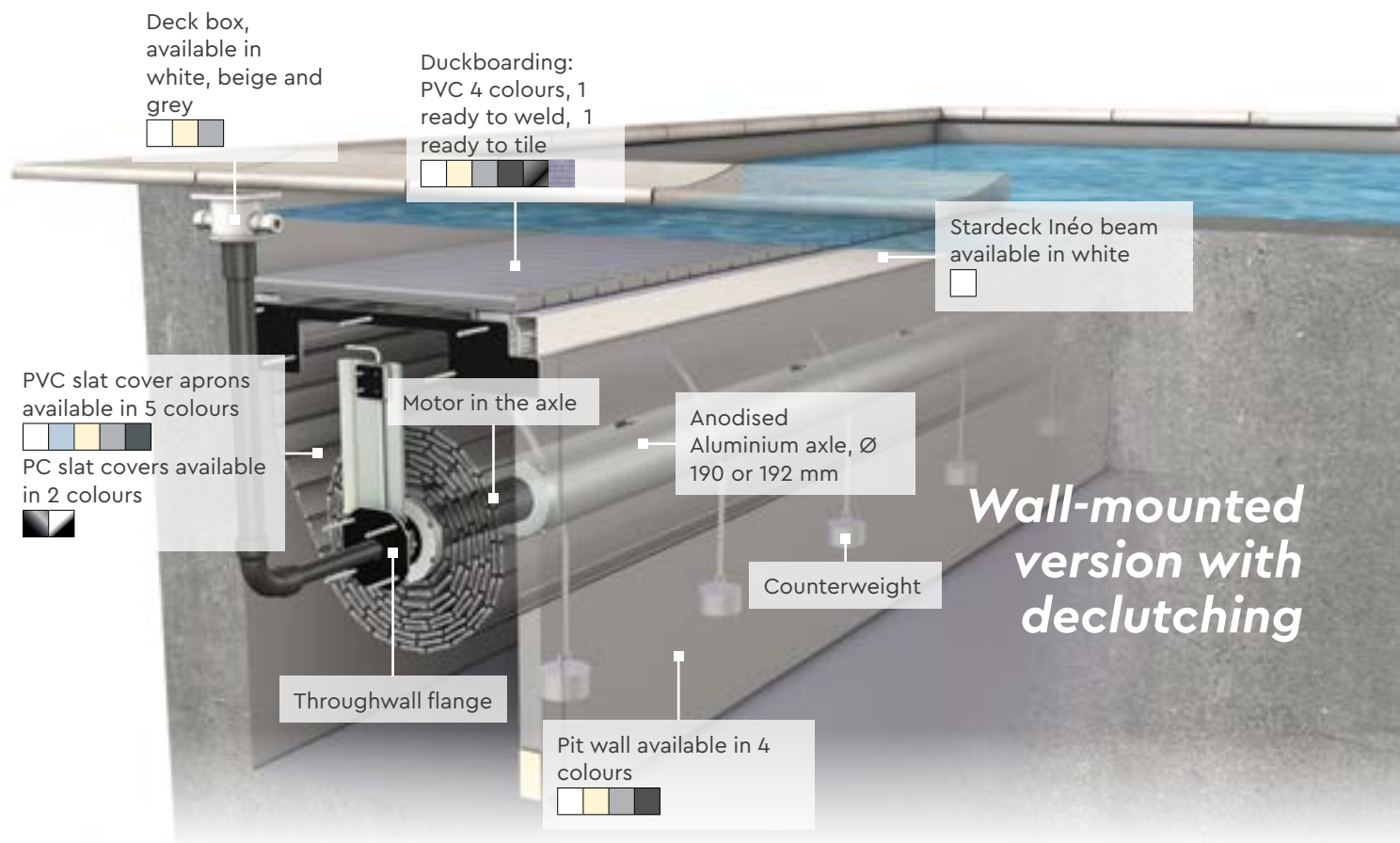
For example: In the case of a 13 m pool with an axle installed at a depth of 1 m, the slat apron will be 14 m long.



BWT STARDECK INÉO AX-IN



Stardeck Inéo is designed for pools with sharp corners and in 150/100th, tiled or concrete. The flap box must be fitted with a bottom drain and a return.



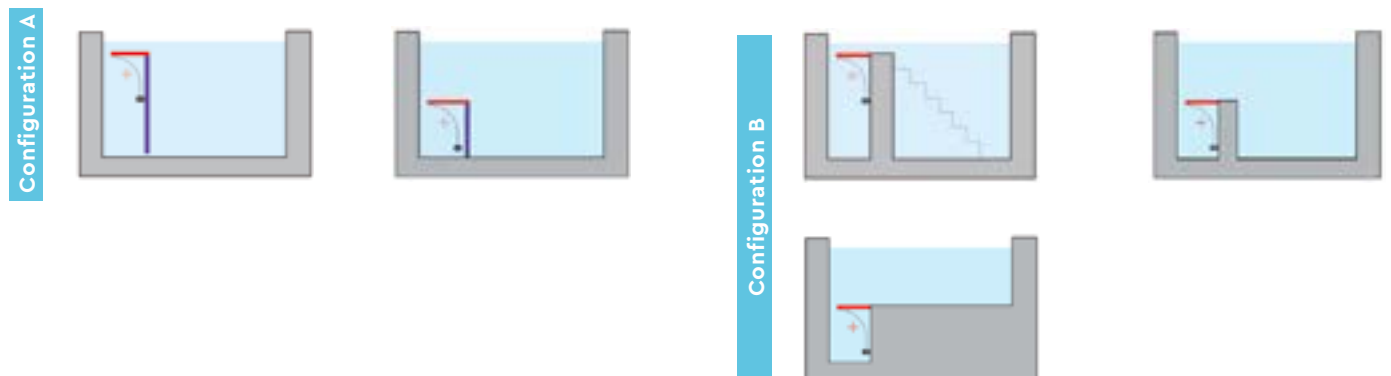
An information sheet must be filled out for every INEO AX-IN automatic cover ordered to check the cover's feasibility. This document is available for download from procopi.com or from your BWT Pool Products agent.



A BEAUTIFUL FINISH

A range of covers with a variety of configurations.

	Configuration A	Configuration B
Deflector	X	X
Kit with 2 beams	X	X
INÉO mechanical assy.	X	X
Duckboarding 680 × 500	-	X
Duckboarding 730 × 500	X	-
Pit wall max 6.09m	X	-
Counterweight	X	X
Safety fastener	To be installed on the roller side and on the side opposite the roller	





Dealer's stamp:

A large, empty rectangular box with a thin black border, intended for a dealer's stamp or signature.