

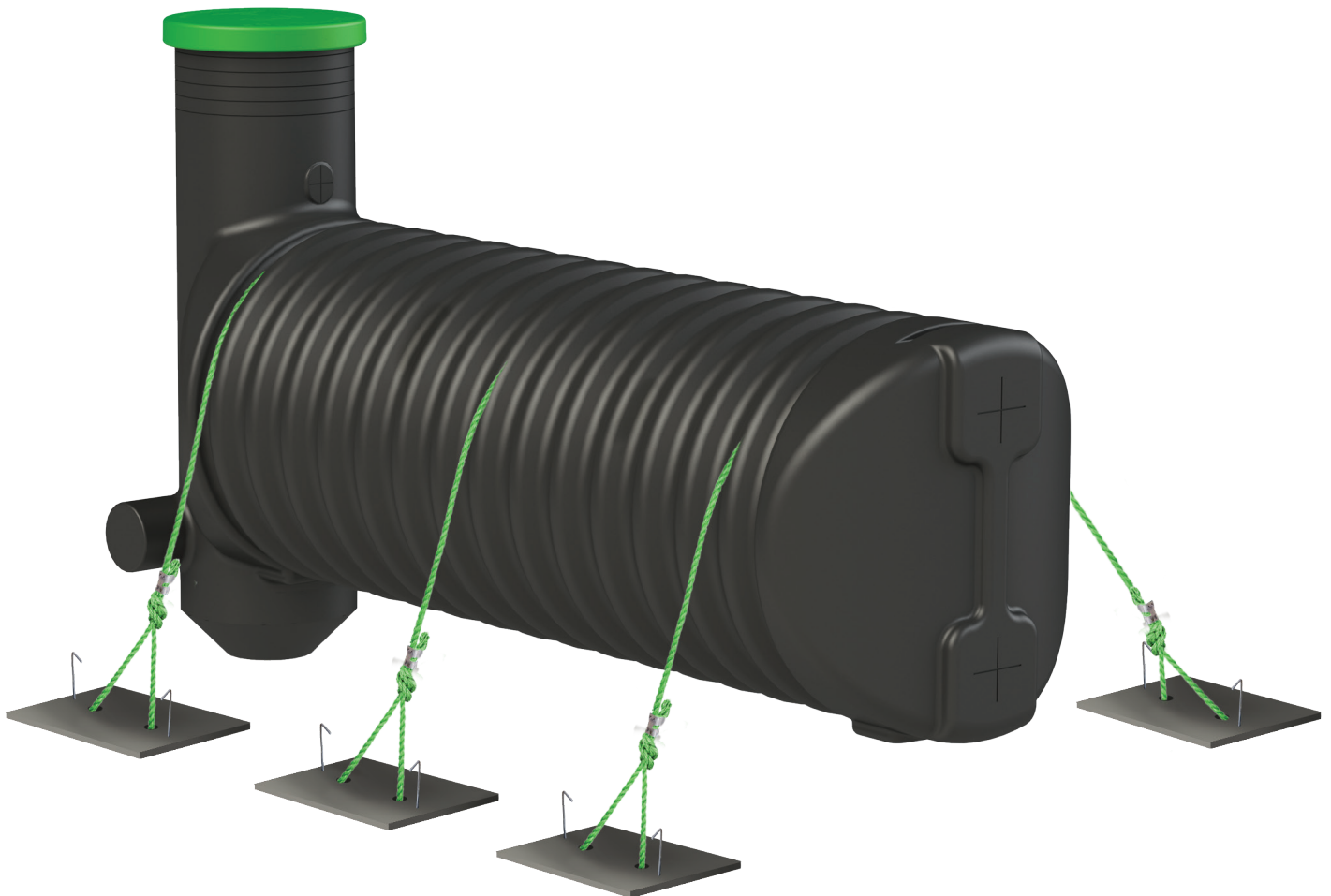


IDEAL TANK & SYSTEM SOLUTIONS



**Made to Order Economy.**

# **StormLite Ground Anchors**





IDEAL TANK & SYSTEM SOLUTIONS

## NEW GROUND ANCHOR DESIGN:

New slimmer design 300mm wide for narrower trenches. Securing pegs now provided to secure pads in place to prevent pad slippage when backfilling!

You may need ground anchors if:

- There is a high water table at the site where the tank(s) are to be installed or
- Water will collect in the ground around the installed tank(s) following a rainfall event

Ground anchors only become fully effective when installation is to the point of sufficient loading on the tank(s) and anchors to offset any uplift. This will usually be once the installation is completed.

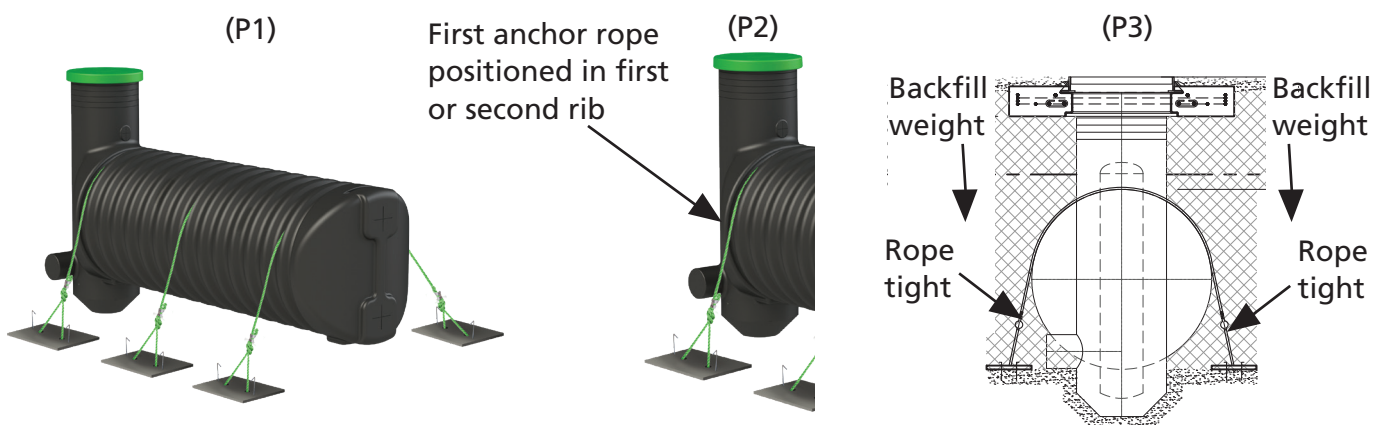
The installation excavation needs to be drained or the tank(s) filled with water during the installation if site conditions are such that water from any source may collect in the installation area around the tanks.

Utilise the APD ground anchor calculator (available from APD) to determine correct usage for your site.

*Note: Tanks should be filled when backfill is halfway up the tank(s), fill tank(s) to 2/3 with water.*

## GROUND ANCHOR INSTALLATION:

- Anchor pads are 300mm x 500mm.
- Based on your tank buried depth/cover height and max water table level, APD can calculate how many ground anchors you will need.
- Ground anchors are supplied with rope attached and ready to install.
- Pegs provided to secure anchor pad in place to prevent pad slipping when backfilling. 2 pegs per pad.
- Excavation needs to be wide enough to allow for the anchor pads (e.g. 1200 diameter tank needs a minimum 1900mm wide excavation).
- Anchor pads must be placed past edge of tank as per diagram below. Insert pegs into holes drilled to secure pad firmly past edge of tank.
- First ground anchor rope to be positioned in first or second rib of tank.
- If the ground anchors are installed correctly as per the diagrams below, then the weight of correctly compacted backfill on top of the pads will stop the tank from lifting up during a heavy rain event or high water table issue.





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## 地面固定锚的安装 (GROUND ANCHOR INSTALLATION):

- 根据你水箱的掩埋深度，回填土高度和地下水位最高点，APD会计算你所需的固定锚数量
- 我们提供的固定锚已经连接好了绳索，可将其直接安装
- 为防止锚垫在回填时滑动，我们还会提供锚栓来固定锚垫。每片锚垫会配有两个锚栓
- 每片锚垫尺寸为300X500mm
- 挖坑时请预留足够宽度给锚垫。1200mm直径的水箱需要1900mm宽的坑。
- 锚垫一定要固定在水箱最大边缘的外侧（如 P3）。并且请将锚栓插入钻好的洞眼里，来固定锚垫在正确的位置上。（超过水箱外缘）。
- 第一对固定锚的绳索需要紧贴竖管（如 P2）
- 为了阻止水箱在大雨时或高地下水位时被浮力抬起，请参照P2 & P3和水罐安装手册安装。

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(P4)



This is an indicative photo to show the placement of the pads and the tightness of the rope. It is not an actual install as there is no trench or compacted basecourse shown.

Pads to be laid length ways along tank. Past the edge of tank and secured firmly with pegs supplied.

StormLite Ground Anchor Information November 2021

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