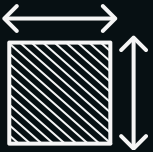


HOW MANY HELICAL PILES DOES YOUR DECK NEED? (CHEAT SHEET)

This easy guide will help you find the key info needed to design the right helical foundation solution for your deck.



WHAT TO KNOW ABOUT YOUR DECK



SIZE

Take a few minutes to sketch the rough shape and dimensions for your deck. This, unsurprisingly, has the biggest influence on the number of helical piles you'll need.



JOIST LENGTH

Joists act as the primary support for your decking, and play an key role in determining deck beams. Short joists on small decks usually require a single beam. Longer joists may need extra beams (and piles) to prevent sagging. Search for a '[joist span calculator](#)' online to simplify this process.



BEAM SIZE

Beams hold the weight of your deck, and are what your helical piles connect to. They run **perpendicular** to your joists. Stronger beams typically require fewer helical piles, weaker beams need more.



STRUCTURAL LOADS

Structural loads come from things like people, furniture, barbecues, hot tubs, etc. List the items your deck will hold to ensure excess weight is accounted for.



ADDITIONAL STRUCTURES

Adding structures like a roof or pergola either now or in the future? Note these in your design to ensure the foundation can support them.

DECK INFO CHECKLIST

Do you have these items nailed-down?

1

Size of Deck

Rough sketch, with dimensions, to visualize deck layout

2

Joist Length

Calculate joist length/Maximum Joist Span

3

Beam Size

Impacts your helical pile spacing

4

Structural Loads

Note other items your deck will hold

5

Additional Structures

Will you build a hot tub, pergola, etc?

BENEFITS OF OUR HELICAL PILES

Fast Installation

No Mess

Strong & Durable

Durable

Frost-Resistant

Versatile & Compact

Engineer-Approved

Foundation Warranty