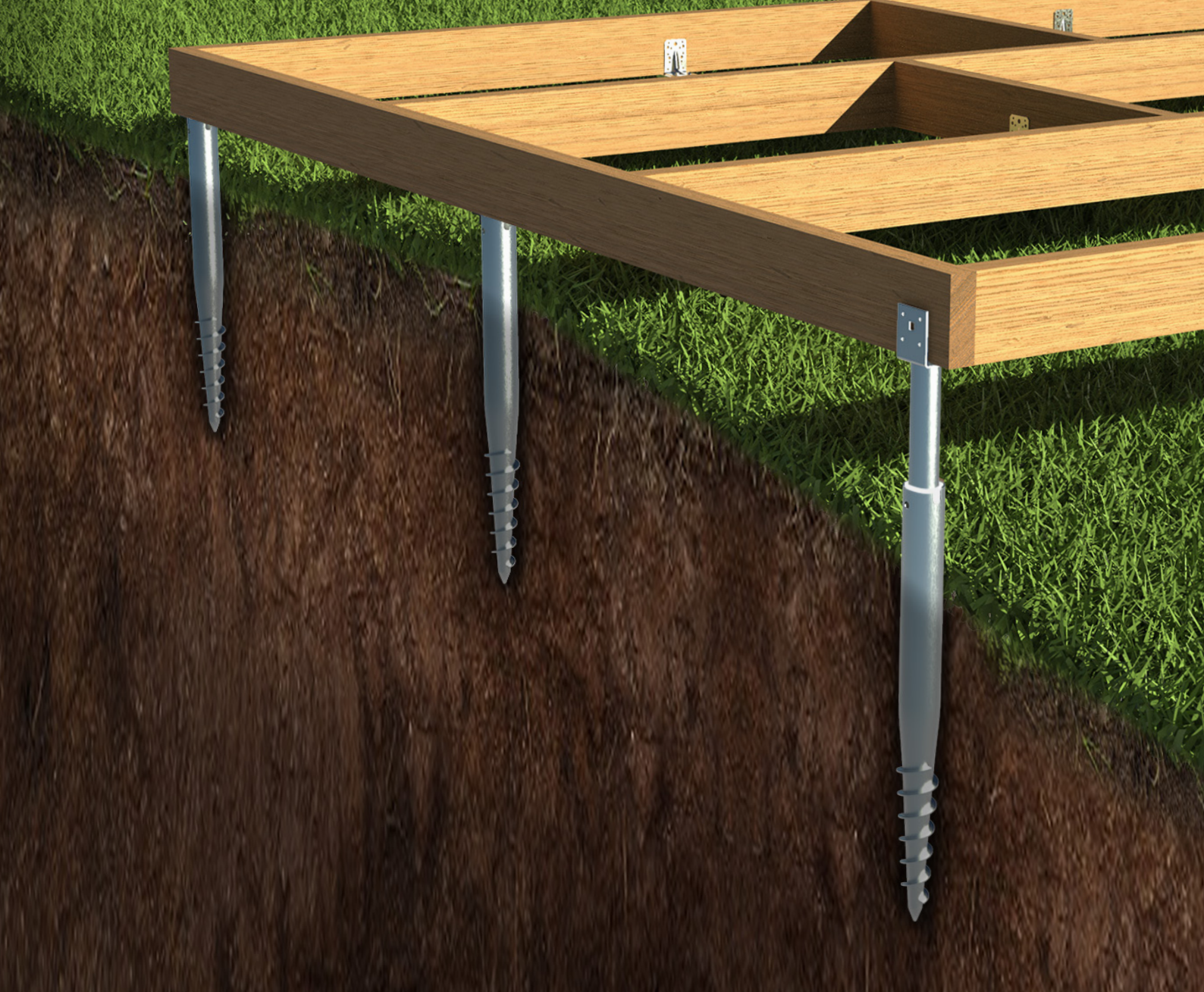




PRODUCT GUIDE





SAVING TIME - MONEY - AND THE ENVIRONMENT

- No digging foundations meaning no concrete
- Rapid install / Removal (Temporary or Permanent use)
- Immediately loadable
- Cost effective compared to conventional foundation methods
- Environmentally & Ecologically friendly with no ground contaminates
- Low impact on surrounding area and local wildlife
- Does not interfere with natural watercourses
- Particularly useful in areas of tree root preservation areas
- No spoils to remove or landfill waste
- Fully re-usable



No Digging No Concrete



No Skips



Environmentally Friendly



Saves Money

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Applications

There are many great applications our ground screws can be used for:

- Garden Office
- Garden Studios
- Garden Gym
- Log Cabin
- Summerhouses
- Workshops
- Sheds
- Glamping Pods
- Decking
- Pergola Posts
- Crowd Control Barriers
- Solar Lighting
- Festoon Lighting
- Security Fencing
- Signage
- Landscaping
- Polytunnel
- Temporary Structures
- Anchor Points
- Ball Stop Systems
- Flag Poles
- Fishing Platforms



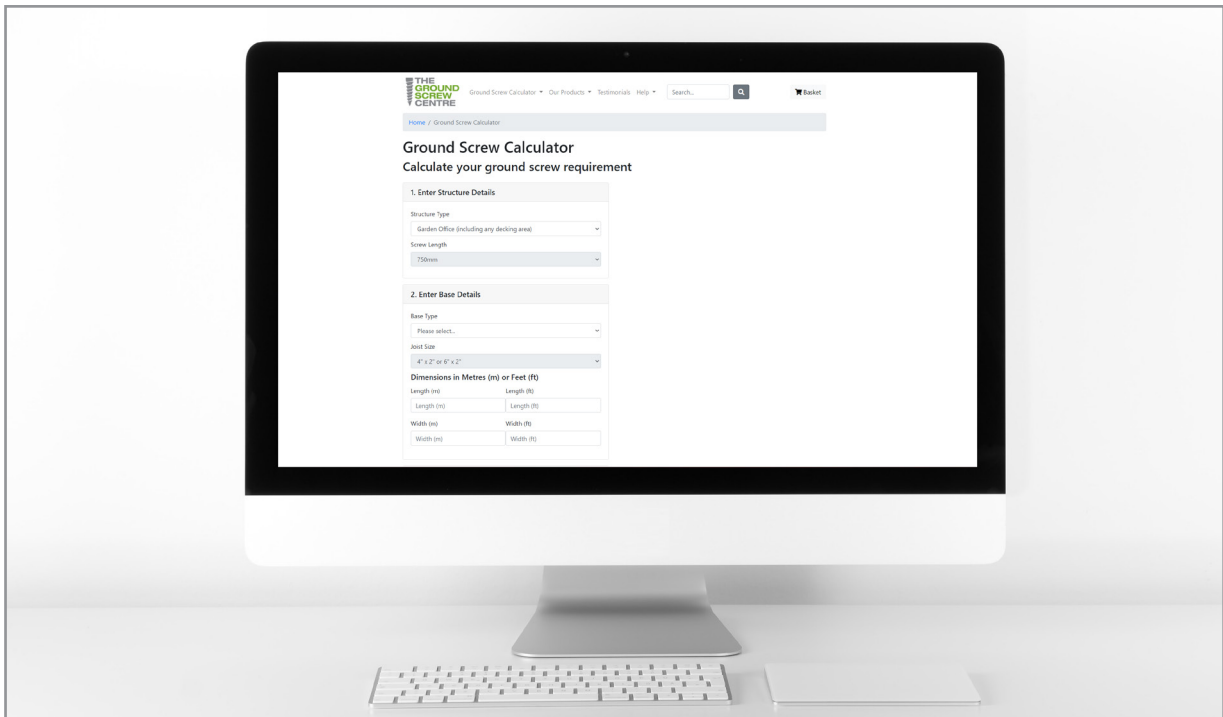
Considerations

1.



- What is your structure type? (e.g. Garden Shed, Office, Gym, Decking, Flag Poles etc.)
- What is your required screw length? (550mm or 750mm Ground Screws)
- Base Dimension Details (Build Length & Width)
- Base Construction / Specification (i.e. Maximum Beam Span)
- Additional Loads – Will your structure hold heavy items? (e.g. Hot Tubs, Gym Equipment etc.)

2.



Calculate your ground screw requirements for your garden structure and/or decking area and select your build type via our online calculator - www.groundscrewcentre.co.uk/products.asp?page=calculator&structuretype

Product Guide

Ground Screws



550mm

Product Code: GS-550

Designed for use of building garden sheds, small structures, crowd barriers and decking

Load capacity of 2.3KN

Recommended Install Range: Ground level - 100mm above ground level



750mm

Product Code: GS-750

Designed for use of building decking bases, garden buildings, raised pathways etc.

Load capacity of 4.28KN

Recommended Install Range: Ground level - 300mm above ground level

Ground Screw Installation Tools

Standard Installation Tool

Product Code: GS-INSTOOL

Our standard ground screw installation tool allows you to install our ground screws by hand. The sliding handle enables you to install your ground screws in confined spaces.



Professional Ratchet Tool

Product Code: GS-PROTOOL

Our professional ratchet tool with high torque output fits our ground screws exclusively. It has been designed to allow our ground screws to be installed from a static position; making it useful for multiple installations. The sliding handle enables you to install your ground screws in confined spaces.



Standard Brackets



Standard Bracket - 'L' Shaped Connector

Product Code: GS-STDBR3 / GS-STDBR4

Suitable for 3", 4", 5", 6" x 2" Joists
2 TEK Screws - Flat Plate to Ground Screw
2 TEK Screws - L Shaped Bracket to Flat Plate



Standard Bracket - 'U' Shaped Connector

Product Code: GS-UBR

Suitable for 3", 4", 5", 6" x 2" Joists
2 TEK Screws - Flat Plate to Ground Screw
2 TEK Screws - U Shaped Bracket to Flat Plate

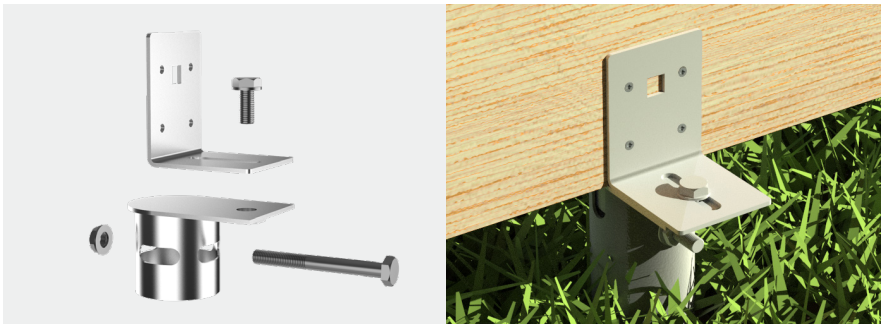


Double Joist Bracket - "L" Shaped Connector

Product Code: GS-STDD

Suitable for 3", 4", 5", 6" x 2" Joists
2 TEK Screws - Flat Plate to Ground Screw
2 TEK Screws - L Shaped Bracket to Flat Plate

Premium Bracket



Premium Bracket

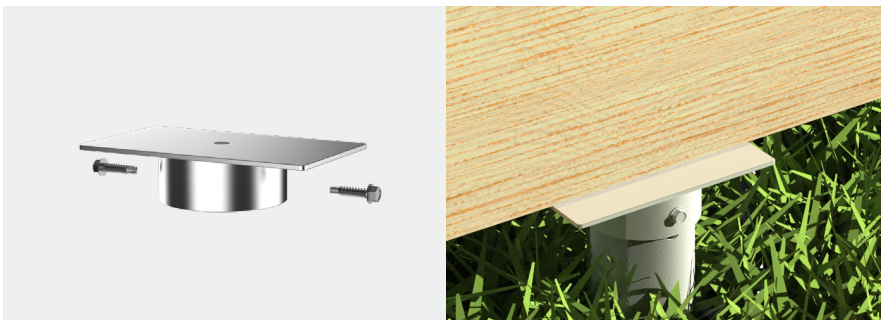
Product Code: GS-3X2PREM / GS-4X2PREM

Suitable for 3", 4", 5", 6" x 2" Joists

Adjustable Joist Seat to Ground Screw through Bolt/Nut

Adjustable Joist Bracket to Joist Seat through Bolt, Washer and Captive Nut

SIPS Bracket



SIPS Panel Support Bracket

Product Code: GS-SIPS

Used for SIPS floor system that are fixed directly on the plate

2 TEK Screws - Flat Plate to Ground Screw

Ground screws positioned on each SIPS module join which bracket supported each module (generally 1.2m x 2.4m modular units)

SIPS flooring can be installed using approx. 120mm TEK screws via module joining timbers or heavy duty grab adhesive

Ground Screw Extension Kits



300mm Ground Screw Extension

Product Code: GS-EXT300

Only to be used with 750mm Ground Screw
Overcome 600mm sloping ground
'U' Section accepts 3", 4", 5", 6" x 2" Joists



600mm Ground Screw Extension

Product Code: GS-EXT600

Only to be used with 750mm Ground Screw
Overcome 900mm sloping ground
'U' Section accepts 3", 4", 5", 6" x 2" Joists

Nylon Pole Insert

Nylon Pole Insert

Product Code: GS-NYINSERT

Designed to sit inside ground screws and provide a secure fitting where a more permanent robust fitting is required



To fit tube size & tube examples:
42.4mm standard handrail tube
48.3mm standard scaffold pole & large handrail tube
50mm polytunnel frame signage tube etc.

Nylon pole inserts are perfect for many other tube applications such as temporary signage as all components are easily removed if necessary

Fittings & Accessories

Ground Screw End Cap

Product Code: GS-ENDCAP



Designed to seal off the ground screw when in the ground keeping the screw free of debris ready for re-use on demand

Designed to prevent any issues with the ground screw being filled with soil, grass cuttings etc. and is easily installed or removed as and when the ground screw is needed for use



SDS 26mm x 450mm Pilot Drill Bit

Product Code: GS-SDS450

Our Pilot Drill bit is required to pre-test area prior to ground screw installation



85mm Magnetic Level

Product Code: GS-LEVEL

Magnetic base, strong moulded casing for durability
Two shockproof solid high visibility vials
Fits for determining horizontal and vertical plane

Carbon Steel TEX Screws (x100)

Product Code: GS-TEK22



Carbon steel self-drilling TEK screws 5.5mm x 22mm 100 pack

These are ideal for attaching our brackets to our ground screws securely and quickly with our hex nut driver attachment

Impact ¼" Hex Nut Driver 8mm

Product Code: GS-IMPDR



A magnetic nut driver with hex shank. It is specifically designed for use with an impact driver to fit our TEK screws when fitting our brackets to our ground screws

Technical Information & Data

Load Bearings

If you are installing ground screws for either a building or decking, please follow the recommended guidelines to ensure a safe and stable build.

The amount of ground screws you require depends on two factors:

- Size of the floor joists
- Total dynamic weight of your product

Ground Screw Span Distances

Timber Joists

The maximum recommended span between each ground screw should be 1500mm when using the following timber joists:

- 4" x 2"
- 5" x 2"
- 6" x 2"

SIPS Floor System

For SIPS bracket applications, ground screws to be positioned in conjunction with manufacturers guidelines (generally 1200mm apart).

Ground Screw Load Capabilities

Ground Screw	Compression	Tension	
550mm Ground Screw	2.3 KN (0.23 Tonne)	1.7 KN (0.17 Tonne)	0.5 KN (0.05 Tonne)
750mm Ground Screw	4.0 KN (0.40 Tonne)	3.1 KN (0.31 Tonne)	1.5 KN (0.15 Tonne)

The above figures represent best possible load results depending on ground conditions and relates to ground screws that are set no higher than 300mm above ground level.

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