

# PROFESSIONAL INSTALLATION SERVICE





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THE GROUND SCREW CENTRE

# About us

GSCUK Ltd is a leading ground screw supplier and installer in the UK. We specialise in offering an alternative to concrete foundations, in both the domestic and commercial markets. Applications range from home extensions and street lighting columns to walkway bridges and modular homes/garden rooms.

Our staff have been at the forefront of ground screw technology and development for more than 10 years. During this period we have established close ties with many garden room manufacturers, premier league clubs, leading construction companies and many other organisations.

With unrivalled experience and technical know-how, we are experts in ground screw technology and fully understand their potential and capabilities.



# Why choose us?



## Nationwide Installation Service

We undertake installations across England and Wales. All of our installation teams are trained and based in house while operating from our midlands HQ



## Warranties

- 20 Year Product Warranty
- 12 Month Installation Guarantee



## Experience with Building Control

We have carried out numerous projects with various building control companies. From simple garden rooms to complete house extensions, we can provide ground screws for nearly all applications.



## Installation Reports & Load Testing

- Installation Report with a summary of the works
- Torque readings or Compression load test for personal or building control requirements



## Industry Experience

10 years experience in the Ground Screw Industry



## Accreditations

- ConstructionLine Silver Member
- SSIP Member Scheme



# Ground Screw Benefits



No digging foundations meaning no concrete



Rapid install/removal (Temporary or Permanent use)



Immediately load bearable



Advantageous on sloping ground



Environmentally & Ecologically friendly



Low impact on the surrounding area and local wildlife



Does not interfere with natural watercourses



Specified in tree root preservation areas



No spoils to remove or landfill waste



Fully re-usable

# Applications

- House Extensions
- Annexes
- Garden Buildings
- Raised Roadways / Walkways
- Solar lighting columns
- Signage
- Heras fencing & Railing support
- Timber-framed structures
- Modular buildings
- Sports facility eg. Ball stop netting
- Temporary structures & Foundation platforms





THE GROUND SCREW CENTRE

# Ground Screw Information

When providing a professional installation we would look to use our 76mm x 1200mm ground screws

Building control will either be satisfied with knowing a 76mm x 1200mm ground screw has a load capability of 1.5tonne (15kn) when fully installed in solid ground or will require a compression test/torque reading which we can provide.

We can then produce a report for building control to show the ground screws have been installed to the project requirements. We have a wide range of ground screws available and can provide ground screws with higher load capabilities if required.



We have fitted ground screws for all of the below and many many more. With a range of over 60 ground screws available we have solution for almost any project/application.



# Structural Testing

The Ground Screw Centre only endorse reliable and proven load testing methods when evaluating the structural performance of a ground screw. The use of compression load testing and torque Nm readings will accurately prove and quantify the load capability of the installed ground screw. We do not promote tension (pull/tug) tests due to differing soil properties/composition and they do not provide accurate compression load capabilities.

## ● Compression Load Testing

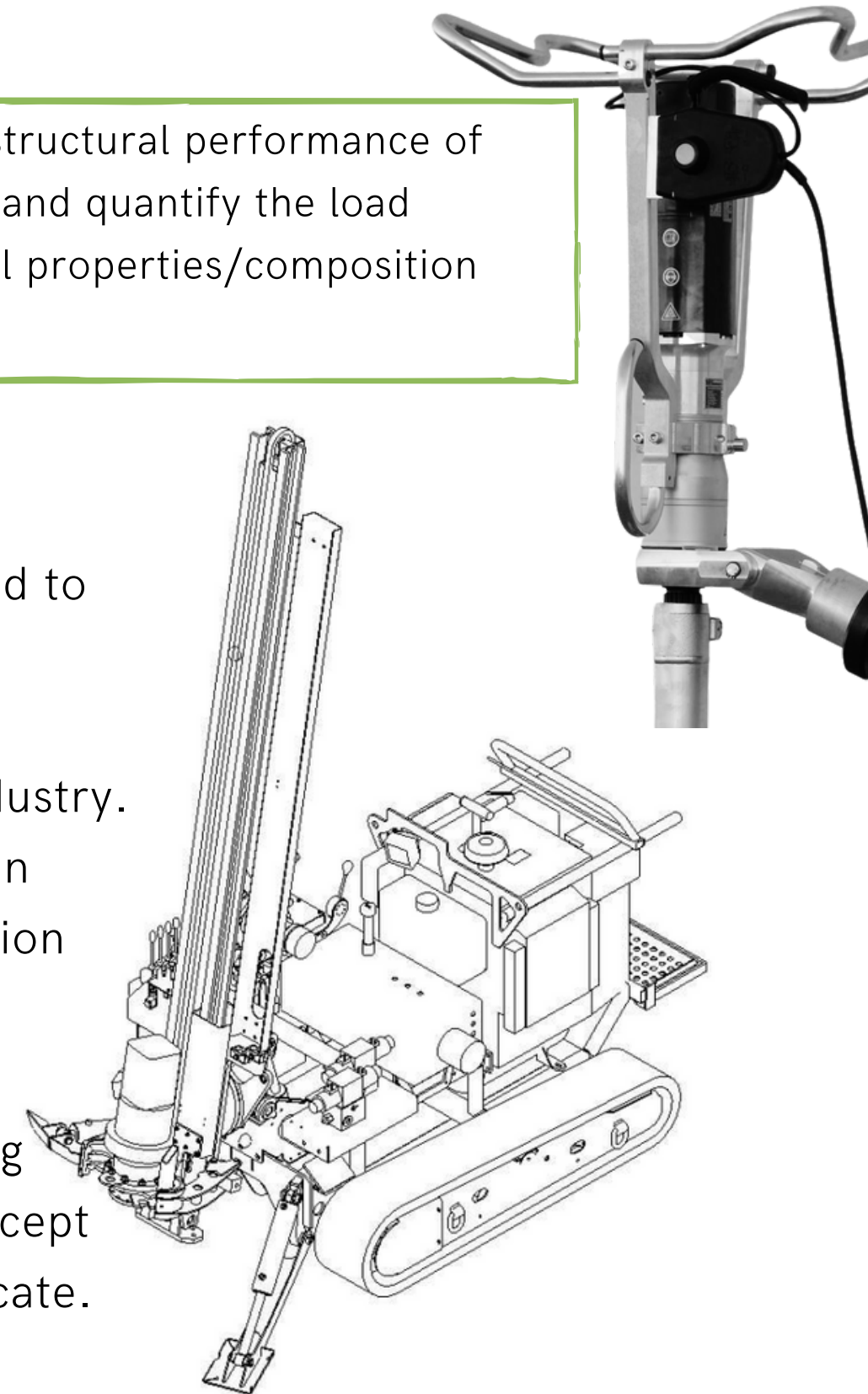
As ground conditions differ greatly from site to site, undertaking a compression load test will provide the most accurate method of evaluating a ground screws performance. In short, this is conducted by providing a compression load to a test ground screw, working against two outer reaction ground screws.

Our experienced team have been conducting compression load tests for over 10 years.

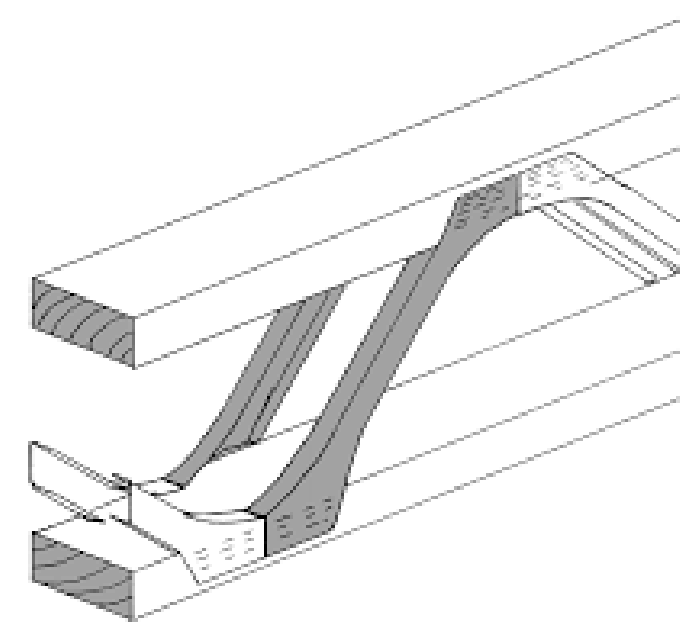
## ● Torque Readings

Recording the torsional resistance applied to an installed ground screw will provide compression capability. This is a widely accepted procedure within the piling industry. By reaching a target torque reading will in return provide a ground screw compression load performance.

We have a range of machinery that will provide torque nm data which our building control partners and many others will accept when providing a building control certificate.



# Compatibility



## Timber Joists / LGSF / Steel Frame

We can support all types of framework with our range of brackets and fixings methods. Our services include the supply of timber joists and LGSF base frames.

## SIPS

Our innovative product supports other modern methods of construction. The partnership between ground screws and SIPS results in a clean and speedy installation.

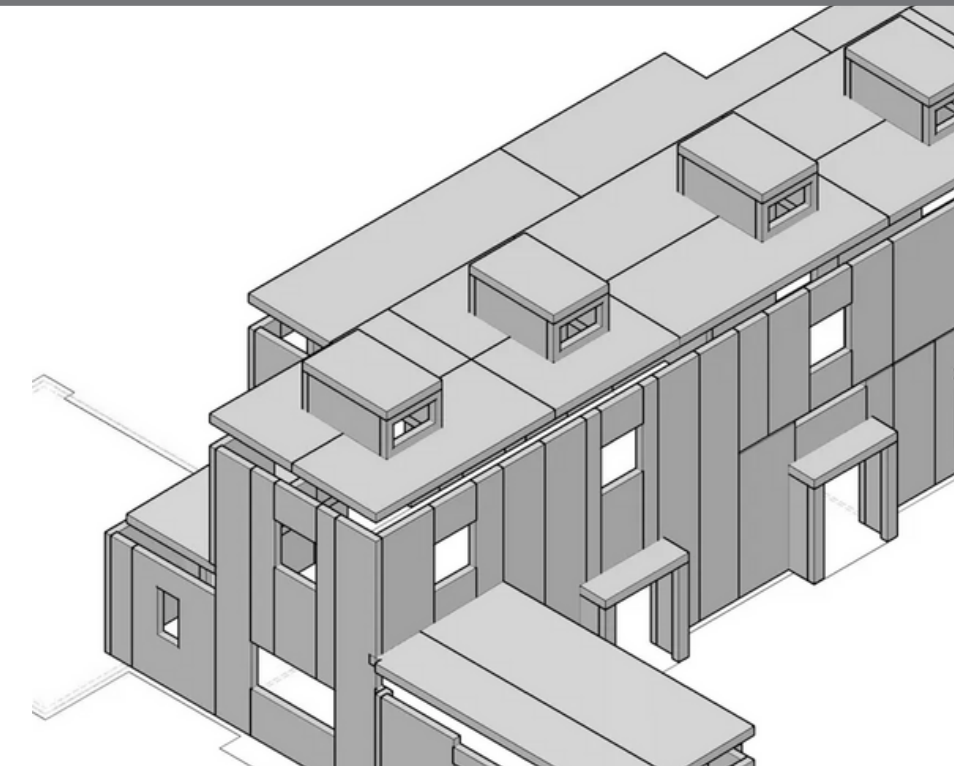
## Vertical Poles/Columns

The team have a wealth of experience in supporting ballstop netting, rugby posts and solar lighting columns. We have equipment for erecting columns and poles with IPAF accredited installers for working at height.

### Any bespoke orders?

The Ground Screw Centre can design and fabricate specialist interface plates and brackets to connect our ground screw heads to your structure. We have a range of more than 60 different ground screws available with many lengths, diameters and capabilities.

Get in touch with us if you have any specific requirements or applications so we can with your project help further.



THE GROUND SCREW CENTRE

# Get in touch!



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