



STOPDIGGING!®

THE GROUND SCREW FOR SOLID FOUNDATIONS



CREATING FAST, SOLID GROUND SCREW FOUNDATIONS

STOPDIGGING!®

THE GROUND SCREW FOR SOLID FOUNDATIONS



DESIGNED & DEVELOPED IN SWEDEN
ENVIRONMENTALLY FRIENDLY • REUSABLE • RECYCLED

STOP DIGGING is a Swedish company that designed and developed the ground screw: a modern and cost-effective ground anchor for both large and small construction projects.

Our business ethos is not only to provide a high-quality product but to deliver and install it to the highest professional standard, saving you work, time and money. Stop Digging will take your idea from conception and create a strong and stable foundation for you to complete your project.

SAVE TIME AND EFFORT

SEE BELOW, THE MANY BENEFITS OF GROUND SCREWS

VERY FAST INSTALLATION

Installed in hours,
not in days



CLIMATE SENSITIVE

Ground screws are better
for the environment



ALL FOUR SEASONS

Install in any
weather & season



UNEVEN GROUND

Perfect for sloped
and uneven ground



NO DAMAGE TO LANDSCAPE

No damage
left after installation



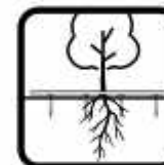
NO MESS NO DIGGING

Concrete is a
messy business



NEAR TREES

Option to build
much nearer trees





SOLAR PANELS



HOUSES

AREAS OF USE AND APPLICATIONS



GARDEN ROOMS



SIGNS



CLASSROOMS



FENCING



BOARDWALKS



PLAYGROUND EQUIPMENT



CONSERVATORY



DECKING



PORTABLE CABINS



GLAMPING PODS



SITE SET-UP



MORNING DAY 1

Area is marked out, drill
pilot holes, insert screws



AFTERNOON SAME DAY

Ready
to build

TIME SAVING COMPARISON

THE NEW WAY WITH GROUND SCREWS

90% FASTER

DAY 1

DAYS 1 → 2 → 3 → 4 → 5 → 6 → 7 → 8 → 9 → 10 → ?



DAY 1

Excavate the soil



DAY 2

Clear it away
to a skip



DAY 3

Mixing the
concrete and
pouring it



DAY 4 - 9

Waiting for
concrete to
cure dry



DAY 10

Ready
to build



LEFT TO DO

Repair
Landscape

AND THE

OLD WAY WITH CONCRETE

NO MESS NO DIGGING

Concrete is a
messy business



Make no mistake about it, digging foundations for a concrete base is a messy business, the dirt needs to go somewhere and often through a clients house if the access is limited.

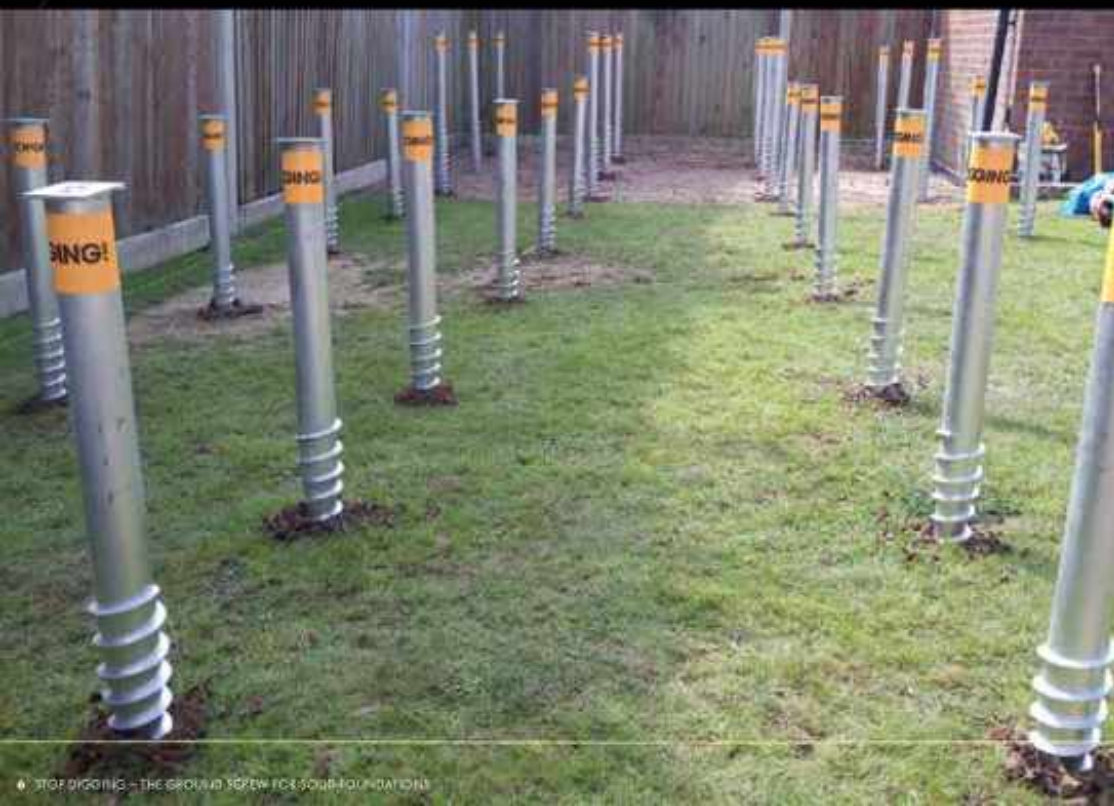
With our ground screws there is no need for digging or any mess, the ground screws are installed, ready for the base and structure to be placed on top.

ALL FOUR SEASONS

Install in any
weather & season



Our screws have been designed to withstand the harsh Nordic winters. They can be installed all year round, in all-weather conditions, meaning no down-time.



NEAR TREES

Option to build much nearer trees



Ground screws, can in some instances, overcome the issue of tree preservation orders. Our ground screws do not damage the root so can be placed much nearer trees, which is why they are highly recommended by arboriculturists.

UNEVEN GROUND

Perfect for sloped and uneven ground



Stop Digging ground screws come in different lengths and sizes, so they are perfect for sloped or uneven ground.



NO DAMAGE TO LANDSCAPE

No damage
left after installation



With no digging required, our ground screws are installed directly into the ground without any damage. Our clients are delighted when they see their garden has remained intact throughout the process. Our ground screws are also perfectly suited for temporary structures as they can be removed when the structure is dismantled, and they leave no damage behind.



CLIMATE SENSITIVE

Ground screws are better
for the environment



The cement in concrete contributes to 5% of the world's CO₂ emissions and we are all looking for ways right now to reduce our carbon footprint.

A ground screw produces at least 60% less CO₂ of an equivalent solution using concrete plinths*.

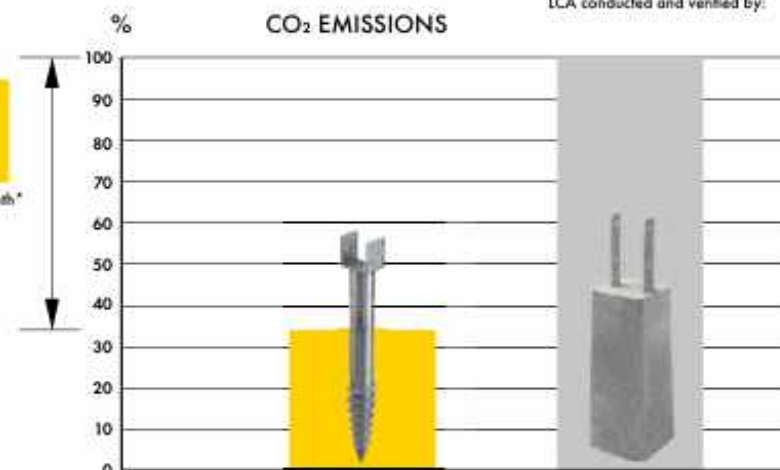


LCA - Life-Cycle Assessment is a way of assessing environmental impacts of products and services - all the way from the raw mineral extraction, manufacturing, storage to distribution usage and finally recycling or destruction.



LCA conducted and verified by:

**At least
60% LESS
CO₂ EMISSIONS**
of an equivalent concrete plinth*



*With one added re-use, only available with the ground screw solution, the total emission is reduced to 34% an equivalent solution using concrete plinths.

The survey takes into account the following steps - Materials & Manufacturing, storage & transports, use, re-use 1 time and end of life: Removal/Recycling.

MEET OUR HERO - THE SCREW



EXPECTED
MINIMUM
SERVICE LIFE
**100
YEARS***

* Terms apply,
see product warranty

Product: **EN 1090**

Galvanization: **EN 1461**

Manufacturing process: **ISO 9001:2015**

Material: **ISO 630 FE 360A**

Installation process: **ISO 9001:2015**



DIFFERENT TYPES OF SCREWS ➔

STOPDIGGING!®



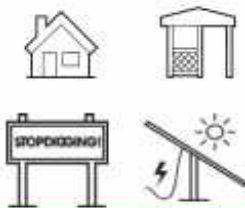
ADAPTER SCREW

The adapter screw has a round mounting plate with a series of slots and a threaded M20 hole in the centre. This is designed to fasten any of our many Applications depending on the type of foundation you need. The adapter screw also provides a great deal adjustability in all directions. Available Applications include the beam bracket, post bracket, plate and L-support which make it a very versatile support. There is almost nothing we cannot securely attach! This makes it ideal for a variety of structures such as living quarters on construction sites, sound dampening boards, greenhouses, solar racks, and prefabricated houses.



SGC	865	1200	1600	2000	2500
SCREW LENGTH	865 mm	1200 mm	1600 mm	2000 mm	2500 mm
OUTER DIAMETER	76 mm				
PLATE DIAMETER	200 mm				
COMPRESSION CAPACITY	1371 kg	2549 kg	3569 kg	4589 kg	5608 kg
TENSILE CAPACITY	714 kg	1275 kg	2192 kg	3461 kg	4232 kg
LATERAL CAPACITY	351 kg	612 kg	867 kg	1173 kg	1479 kg

EXAMPLE OF USAGE AREAS



EXPECTED
MINIMUM
SERVICE LIFE
**100
YEARS***



* Terms apply, see product warranty

STOPDIGGING!®

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EXTENDABLE ADAPTER SCREW

This Groundscrew can be extended multiple times to reach deep into the ground. This feature is great for conditions where top layers of soil is very soft and lack the required load carrying capacity. By extending the screw we can reach more compact and suitable ground to secure a solid foundation. The top of the screw has a round mounting plate with a series of slots and a threaded M20 hole in the centre. This is designed to fasten any of our many Applications depending on the type of foundation you need.



SG	EX S	EX B	EX H C v2
SCREW LENGTH	2000 mm	1000 mm	
OUTER DIAMETER	76 mm		
PLATE	200 mm		
COMPRESSION CAPACITY	Determined on site		
TENSILE CAPACITY	Determined on site		
LATERAL CAPACITY	Determined on site		

EXAMPLE OF USAGE AREAS



EXPECTED
MINIMUM
SERVICE LIFE
**100
YEARS***



* Terms apply, see product warranty

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BEAM SCREW

Our beam screws are perfect for supporting frames and joists in a variety of constructions, for example the joists in a garden deck. The screw head has a mounting slot of 95 mm wide to fit most standard dimensions of timber. The screws are available in two thicknesses and five lengths, which makes it possible to maintain a level bead on uneven ground without losing stability. The beam screw shank has a strong U-profile with five screw holes per side for a secure fastening of joists, studs and other beams. Forget the cumbersome level adjustment of concrete posts, this SGU screw makes leveling beams very easy.



SGU	95x580	95x865	95x1000	95x1200	95x1600
SCREW LENGTH	580 mm	865 mm	1000 mm	1200 mm	1600 mm
OUTER DIAMETER	40 mm	67 mm			
PROFILE HEIGHT	100 mm				
PROFILE WIDTH	95 mm				
COMPRESSION CAPACITY	254 kg	612 kg	1070 kg	1274 kg	1785 kg
TENSILE CAPACITY	173 kg	458 kg	560 kg	663 kg	816 kg
LATERAL CAPACITY	51 kg	254 kg	356 kg	458 kg	714 kg

EXAMPLE OF USAGE AREAS



EXPECTED
MINIMUM
SERVICE LIFE
**100
YEARS***



* Terms apply, see product warranty.

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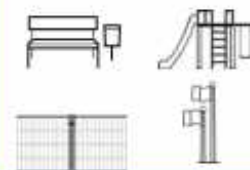
PIPE SCREW

A pipe ground screw designed to hold a steel tube within itself. This model is ideal as a foundation for traffic signs, rubbish bins and temporary fences. It is available in several sizes and is easily assembled with the steel pipe locking into place with the use of four bolts. The pipe screw is perfect for temporary installations where damaging the ground is to be avoided, such as parks, gardens, lawns, pavements and other surfaces which need to remain intact. When you need to support a steel pipe for whatever purpose, the pipe screw is the best choice.



SGN	67x865	76x865	89x865	76x1200	76x1600	114x900	89x2500
SCREW LENGTH	865 mm			1200 mm	1600 mm	900 mm	2500 mm
OUTER DIAMETER	67 mm	76 mm	89 mm	76 mm		114 mm	89 mm
INNER DIAMETER	64 mm	68 mm	85 mm	68 mm	68 mm	106 mm	81 mm
THREAD, FIXING HOLES	M12					M16	M12
COMPRESSION CAPACITY	1070 kg	1376 kg	2295 kg	2549 kg	3509 kg	2039 kg	5608 kg
TENSILE CAPACITY	458 kg	714 kg	1070 kg	1274 kg	2192 kg	1070 kg	4231 kg
LATERAL CAPACITY	306 kg	356 kg	356 kg	612 kg	866 kg	612 kg	1478 kg

EXAMPLE OF USAGE AREAS



EXPECTED
MINIMUM
SERVICE LIFE
**100
YEARS***



* Terms apply, see product warranty.

STOPDIGGING!®

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ADAPTER SCREW

The adapter screw has a square mounting plate with a threaded M20 hole in the centre. This is designed to fasten any of our many Applications depending on the type of foundation you need. The adapter screw also provides adjustability in all directions for an extra precise installation. Available Applications include including the beam bracket, post bracket, plate and L-support which make it a very versatile support. The SGP is a great budget range screw for lightweight applications. It can anchor a variety of projects from sheds, light weight garden rooms to solar racks.

SGP	580	865	1200	1600	2000
SCREW LENGTH	580 mm	865 mm	1200 mm	1600 mm	2000 mm
OUTER DIAMETER	67 mm				
PLATE	95x70 mm				
COMPRESSION CAPACITY	255 kg	612 kg	1275 kg	2600 kg	2906 kg
TENSILE CAPACITY	174 kg	459 kg	663 kg	1479 kg	1581 kg
LATERAL CAPACITY	51 kg	255 kg	459 kg	714 kg	816 kg

EXAMPLE OF USAGE AREAS



EXPECTED
MINIMUM
SERVICE LIFE
**100
YEARS***



* Terms apply, see product warranty

STOPDIGGING!®

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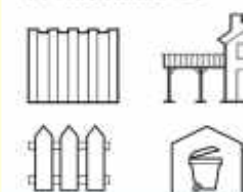


POST SCREW

Post screws replace and outperform concrete posts across a whole range of structures. They make any project faster and easier without sacrificing strength, longevity or cost. Post screws are used for installing supports for fences, carports, barriers, and other structures. The U profile creates a strong bond with the supported post, with the added advantage of allowing wood to dry properly and not decay buried in the ground.

SGS	70x935	95x935	70x1200	95x1200
SCREW LENGTH	935 mm		1200 mm	
OUTER DIAMETER	67 mm			
PROFILE HEIGHT	200 mm			
PROFILE WIDTH	70 mm	95 mm	70 mm	95 mm
COMPRESSION CAPACITY	611 kg		1274 kg	
TENSILE CAPACITY	458 kg		663 kg	
LATERAL CAPACITY	306 kg		458 kg	

EXAMPLE OF USAGE AREAS



EXPECTED
MINIMUM
SERVICE LIFE
**100
YEARS***



* Terms apply, see product warranty

STOPDIGGING!®



ATTACHMENTS

Our ground screws have a number of attachments for different types of special installation. With the help of our smart accessories, our screws can be used to anchor building fences, sheds, flagpoles, noise barriers and solar panels, among others.

WE CAN ALSO DEVELOP SPECIAL ATTACHMENTS FOR YOUR PARTICULAR PROJECT THAT ARE PERFECTLY SUITED TO YOUR NEEDS.
CONTACT US FOR MORE INFORMATION.



SGF



SGE



SGC



SGI



**CABIN BRACKET
SINGLE**



**CABIN BRACKET
DOUBLE**



DON'T MISS OUR MACHINES ➔

MORE HEROES - OUR MACHINES



DIFFERENT TYPES OF MACHINES FOR INSTALLING SCREWS ➡

CERTIFIED AND TRAINED INSTALLERS



To meet this ISO 9001 standard, Stop Digging's installers undergo rigorous training to use our specialised equipment and to have the right skills and understanding to offer our clients the best solution for their needs.

SGM03

The SGM03 is our entry level handheld installation machine.

Featuring a lightweight unit and compact design, the SGM03 produces 1800 Nm of torque and is excellent for small and medium Ground screws. The machine can reliably and precisely be operated by a single installer.



SGM06

The SGM06 is manufactured in Germany and specially customised for Stop Digging.

The machine is powered by a well-balanced 1700 W electric motor and puts out just short of 4800 Nm of torque. This makes the SGM06 a high quality and well-rounded installation machine suitable for most projects.



SGM07

The SGM07 is the most powerful machine in our range of handheld installation machines.

With a high-powered electric motor, the SGM07 produces 5300 Nm of torque and has an unloaded speed of 20 rpm in high gear mode. In other words, the SGM07 is capable of handling larger installations and in most conditions.



SGM69

The SGM69 is the smallest machine in our high-volume segment.

A stable and reliable platform paired with a hydraulic rotator unit with 1200 Nm of torque and a very high rotation speed. The efficiency of the SGM69 allows it to install a small or medium Ground screw in less than a minute.



SGM2000

The SGM2000 is our largest and most advanced piece of installation equipment.

Featuring a hydraulically adjustable rig, great torque, and a pull-down system, SGM2000 will be able to install ground screws with very high speed and efficiency. Optionally the machine can be equipped with real time torque logging, full GPS positioning and an air powered DTH drill for very hard ground.



CONCRETE WAS NOT APPROPRIATE AS FOUNDATIONS FOR THESE PODS

THE TASK...

To provide foundations for holiday homes on an expanding holiday park.

The clients wanted the Fishermen's pods to nestle into the bank and hang over the water in order for the guests to be able to fish straight from their decking. An access walkway would run behind the pods, along the steep bank.

THE CHALLENGES

The ground consisted of a deep, thick clay, perfect for the creation of a lake. However, this meant there were some construction challenges that needed to be overcome.

After preliminary site testing and structural engineer design the SGC range of screws were selected, some of them up to 2.5 metres long. They could reach deeper ground, where the conditions were more suitable for achieving the load values required.

Furthermore, the site was extremely muddy and presented many practical issues. In many areas the soft clay surface was several feet deep, which meant that vehicles and plant were often unable to access these areas. Accordingly, moving materials to the site areas was a long and arduous process but well worth it when you see the end result.



A CASE STUDY

A HOLIDAY PARK IN THE SOUTH WEST OF ENGLAND



THE OBSTACLES THE SCREWS OVERCAME

Concrete was not appropriate as foundations for these pods. The screws are far more suitable and safer to install in these conditions, as well as achieving results above and beyond the requirements. The screws were installed in a fraction of the time with the pods being constructed immediately.

Using handheld equipment, the screws could comfortably be installed wherever they needed to be, which would have been problematic with larger plant due to the ground and access. Even on the steep slope the walkway screws were comfortably installed without any disruption or damage.

THE RESULT

An amazing new holiday park is being created on a multi acre site, landscaped with many lakes generously stocked with fish. The Fishermen's Pods, are detached buildings built at the edge of the lakes, installed on Stop Digging ground screws. Anglers can fish directly off their own deck whilst enjoying all the creature comforts provided within the pod itself.



SOLAR PARK MOUNTED ON THE GROUND

THE TASK

To provide a complete solution for a client who was building a new solar park. It was important for the solar panels to have a stable anchor to hold them in place and also providing an environmentally friendly solution.

THE CHALLENGE

Difficult terrain, with sloped and uneven ground often presents a challenge. The client was concerned about their carbon footprint and did not want to mount the solar panels onto concrete pads. Additionally, with ever changing weather conditions in this area, there were many challenges to overcome to fulfil this project.

THE OBSTACLES STOP DIGGING OVERCAME

The first thing we considered was the condition of the soil. Using this data, we were able to calculate wind and snow loads. This enabled us to design the most suitable dimensions for the stands and solar panels and also helped us to calculate the size of the screws required to complete the project.

Uneven or sloped ground is no obstacle with ground screws, as they come in different lengths. They can also be installed at different heights to ensure they are level throughout.

Although the area was difficult to access, our portable, handheld machinery easily overcame this problem.

The weather was far from ideal, and it wouldn't have been possible to use concrete pads in this weather, but once again it wasn't a problem for our ground screws which can be installed all year round in any weather conditions.

ON BIGGER SOLAR PARKS
WE USE OUR BIGGEST
MACHINE SGM 2000



THE BETTER ALTERNATIVE

CHOOSING GROUNDSCREWS FOR YOUR SOLARPARK



Ground screws are galvanised and have an expected service life of over 100 years. We even provide a 25 year guarantee, so it's safe to say our sturdy ground screws would certainly last for the duration of the solar panels.

The stand, which we are also able to provide, is manufactured from aluminium. It is strong, light, and durable, and is able to withstand all kinds of harsh weather conditions.

Ground screws are very easy to unscrew and remove if necessary. This was of great benefit for our client, knowing there will be no damage left when the solar park is dismantled.

The client wanted a full end-to-end solution which Stop Digging were able to provide by calculating loads, sourcing the stands and supplying and installing them onto the screws.

THE RESULT

A wonderful completed solar park. Not an inch of concrete in sight, an environmentally friendly solar park working hard to try and help save our planet.



THE GROUND SCREW IS GALVANIZED
AND HAS AN EXPECTED
SERVICE LIFE OF 100 YEARS



BUILT TO LAST **DESIGNED AND DEVELOPED IN SWEDEN**



ALL OUR SCREWS ARE DESIGNED AND DEVELOPED IN SWEDEN TO WITHSTAND THE HARSH NORDIC CLIMATE AND TESTED IN THE TOUGHEST CONCEIVABLE ENVIRONMENTS. THEY DO NOT RUST, HAVE A LONG LIFE AND CAN BE EASILY REMOVED AND REUSED.

Behind Stop Digging's different ground screw models lies a rigorous development and testing program driven by a team of highly experienced engineers, designers and consultants. It takes at least half a year to thoroughly test and approve a new model and we are constantly incorporating lessons we learn through this process and in the field into improving our existing range.

We carefully control the licensing of our product to guarantee that the quality we demand reaches the market. We have a close relationship with a few suppliers in Asia who have manufactured high quality ground screws for Stop Digging over many years. Our confidence in our product is such that we offer a 25 year warranty on all of our helical ground screws.

THE STORY **ABOUT STOP DIGGING**

SINCE 2012, STOP DIGGING A SWEDISH COMPANY FOUNDED BY KIM OLSON AND HAKAN LILJEKVIST, HAS OFFERED A CLEAN, COST EFFECTIVE, LONG LASTING ALTERNATIVE TO CONVENTIONAL CONCRETE FOUNDATIONS.

They shared a vision of a simpler and smarter way of using helical screws to replace concrete for many structures. Stop Digging has grown from strength to strength to be a market leader across the globe delivering and installing ground screws.

**STOP DIGGING ARE PROUD TO BE THE ONLY
UK GROUND SCREW COMPANY WITH THE ISO9001 CERTIFICATION**

Our professional installers have the special equipment, training, and are authorised in accordance with Stop Digging's ISO 9001 certification. It is an important part of our business ethos to not only deliver the screws, but also to professionally install them for our customers.



TESTIMONIALS FROM

CUSTOMERS



NEIL JONES

REALLY GREAT SERVICE AND PRODUCT.

We had a couple of Tree Protection Orders to take into consideration, so Stop Digging were the perfect solution. Designed the pins needed and fitted in a morning, on the morning they said. Perfect.



RUBEN RODNER

STOP DIGGING WAS AN EXCELLENT COMPANY TO WORK WITH TO PROVIDE GROUND SCREWS FOR OUR GARDEN ROOM.

They liaised directly with our SIPs panel kit supplier to make sure we got the right load distribution. The installation itself was expertly done in a couple of hours.



JANET HOLMSHAW

WE ARE VERY SATISFIED WITH THIS SOLUTION. WE HAVE A VICTORIAN TERRACED HOUSE WITH A BAY WINDOW AND VERY LITTLE IN THE WAY OF FOUNDATIONS.

Being built on London clay the house has moved over the years leading to cracks appearing in the bay. The ground anchors have provided a very good solution to provide support for the bay - and also very good value for money.

We will definitely use this company and the ground anchors again for some garden work later in the year. A very reliable and responsive team.

STOPDIGGING!®

THE GROUND SCREW FOR SOLID FOUNDATIONS



FOR FURTHER INFO VISIT OUR WEB PAGE

www.stopdigging.co.uk

STOPDIGGING!

HOME | INFORMATION | CONTACT US | Q & A

SWITCH COUNTRY

BUILD SMART - BUILD FOUNDATIONS WITH GROUND SCREWS

YOU PLAN, WE INSTALL

PRIVATE | BUSINESS

ON HOME GROUND

It's important to have a stable foundation for every construction project, but digging down concrete supports is time, hard work. We have a better alternative - we install ground screws for your project so that you can focus on the construction itself. By using our ground screws you can quickly complete your dream project, whether it's a wooden deck, fence, terrace, shed or playhouse for the kids. Get inspired by what others have built.

INSTALLATION

AT THE CONSTRUCTION SITE

Make a sustainable choice for a streamlined construction process. When Stop Digging lays the foundations for your construction, it only takes a fraction of the time it would have taken to dig down concrete blocks. We offer completely ready-made foundations for many different types of construction projects, such as sheds, wooden walls, site arms, panels and barriers. Ground screws are also a financially friendly alternative - something that is increasingly in demand from both private customers and in public procurement.

OUR KINGS

DESIGNED & DEVELOPED IN SWEDEN