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SEA Screw Anchor System

Screw anchors are a long established form of piling and invented in England by Alexander Mitchell in 1833 for supporting lighthouse structures in tidal basins.

Today screw anchors are widely used in light to medium piling applications such as for conservatories, outdoor elevated stadium seating, light to medium weight building foundations, pre-fabricated buildings, electricity pylons, street lighting, road signs, elevated walkways and many other uses.

The SEA-Tech Screw Anchor System has one, two or three helical plates that are welded onto a central shaft of the leading section. The load bearing capacity of each anchor depends on three main factors: ground structure, helical plate and shaft dimensions. The SEA-Tech Screw Anchor System is most suited for applications wishing to achieve a load bearing of between 50kN and 300kN.

There are several advantages for using screw anchors as opposed to other piling techniques such as mini piling:

Application is quick and easy with no need for specialised drilling equipment. SEA-Tech Screw Anchor System can be installed by using a hydraulic torque motor attached to a mechanical digger or even by a hand held torque motor device. Unlike many other piling techniques, installation generally requires no removal of soil so there will be no disposal of waste.

The SEA-Tech Screw Anchor System is totally **Eco-Friendly** with no need to pour concrete into the soil. There is no damage to soil structure and the screw anchor is pollution free. If and when the supported structure is dismantled, the screw anchor can be simply unscrewed out of the ground and taken away.

SEA-Tech Screw Anchor System can be installed without excessive noise or vibration, making them the only logical choice for low and medium load bearing piling in environmentally sensitive or restricted areas.

Labour costs are greatly reduced compared with mini piling or other piling techniques as the machinery required for installation is relatively low cost, materials are solely down to the screw anchor and just one operative would be necessary to complete the job within a short time span.

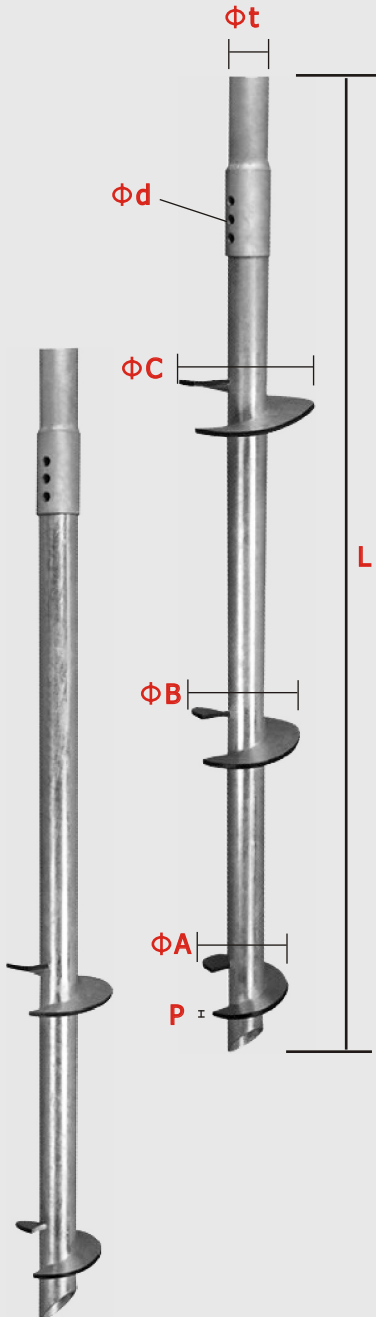
For ease of use, ecologically sound and a low cost solution for light to medium piling requirements choose the SEA-Tech Screw Anchor System.

Design and usage of the products should be in accordance with the appropriate safe practices and applicable codes and regulations.





SEA Screw Anchor System



Triple Anchor

Part No.	φt	L	φA	φB	φC	P	φd
SEA-CG1301	90mm	3.0m	200mm	250mm	300mm	12-15mm	φ22
SEA-CG1302	90mm	3.0m	250mm	300mm	350mm	12-15mm	φ22
SEA-CG1303	90mm	3.0m	250mm	250mm	250mm	12mm	φ22
SEA-CG1304	90mm	3.0m	300mm	300mm	300mm	15mm	φ22

Double Anchor

Part No.	φt	L	φA	φB	φC	P	φd
SEA-CG1201	90mm	3.0m	200mm	250mm	—	12mm	φ22
SEA-CG1202	90mm	3.0m	250mm	300mm	—	12-15mm	φ22
SEA-CG1203	90mm	3.0m	250mm	250mm	—	12mm	φ22
SEA-CG1204	90mm	3.0m	300mm	300mm	—	15mm	φ22
SEA-CG1205	90mm	3.0m	350mm	350mm	—	15mm	φ22

Single Anchor

Part No.	φt	L	φA	φB	φC	P	φd
SEA-CG1101	90mm	3.0m	200mm	—	—	12mm	φ22
SEA-CG1102	90mm	3.0m	250mm	—	—	12-15mm	φ22
SEA-CG1103	90mm	3.0m	250mm	—	—	12mm	φ22
SEA-CG1104	90mm	3.0m	300mm	—	—	15mm	φ22
SEA-CG1105	90mm	3.0m	350mm	—	—	15mm	φ22

Material Specifications

1. Drive tube: St52
2. Helix plate: 080A15(Q235)
3. Hot dip galvanized to: DIN EN ISO 1461-1999