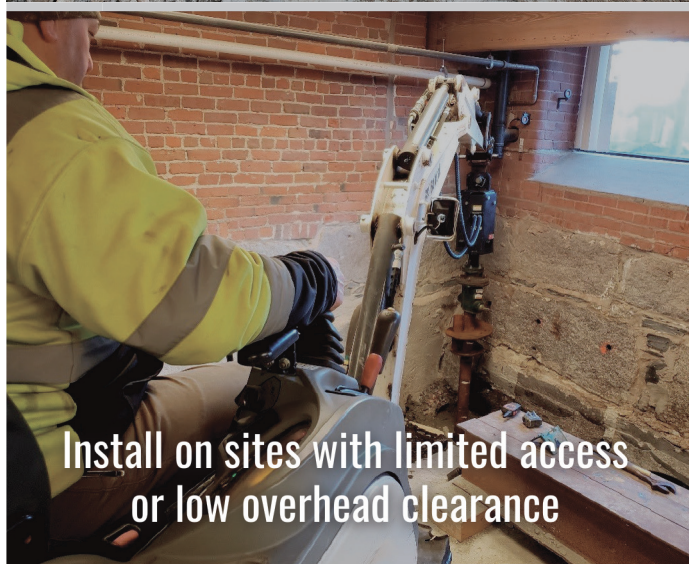




Clean installation with little-to-no spoils and minimal site disturbance



Install on sites with limited access or low overhead clearance



Exhumation proves diameter of grout cover around central shaft

# DRIVECAST

GROUTED DISPLACEMENT PILE

The modern high-capacity pile for limited access foundations.

## Let's Talk!

The modern pile experts at IFS can help determine if Drivecast can be applied to your project as part of a free project consultation.

**Get in touch:**

[modernpile.com](http://modernpile.com)

[inquiries@modernpile.com](mailto:inquiries@modernpile.com)

203-838-5741

### Check out the IFS design resource library:

- Product cut sheets
- Load test reports
- Field data
- Technical bulletins
- Sample designs

Register at [modernpile.com/resources](http://modernpile.com/resources)



[modernpile.com/drivecast](http://modernpile.com/drivecast)



# How does Drivecast work?



- Each section is placed on the ground surface and advanced into the soil using rotation.
- Helices are used in each displacement assembly to drive down into the soil.
- Displacement paddles are used to 'push' the soils outward and create a cavity.
- Grout is added from the ground surface and gravity fed into the cavity.

## Grouted Displacement Pile Capacity

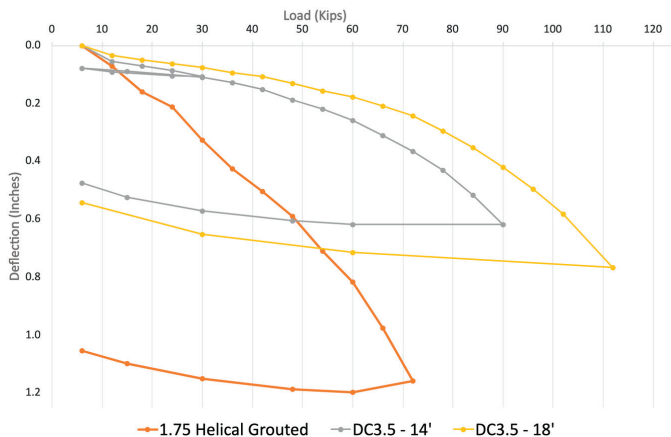
**Side friction,  $Q_s$**   
(skin friction)

**Toe-bearing Resistance,  $Q_b$**   
(point-bearing resistance, end bearing Resistance, tip bearing resistance)

$$Q_{total} = Q_{bearing} + Q_{side}$$



## Drivecast Tension Test Results



## Benefits of Drivecast

### Limited access and low clearance

Drivecast uses short pile extensions which are coupled together to reach any depth, allowing for great maneuverability on limited access and low-clearance jobs.

### Little-to-no spoils

The Drivecast Grouted Displacement Pile compacts soils outward as it is grouted, which produces little-to-no spoils and often improves the ground as it's installed.

### Minimal site impact

Drivecast can be installed with a relatively small excavator and minimal site disturbance, making it an ideal option for sensitive job sites.

### Low mobilization costs

The equipment for installing Drivecast can usually fit on a single flatbed trailer and significantly reduce mobilization expenses.

### Install with existing equipment

All you need to install Drivecast is a mini to mid-size excavator, a rotary torque motor, and a grout delivery system.

### Neighborhood friendly installation

Drivecast piles are screwed into the ground similar to a helical pile, leading to minimal disturbance including little noise, low vibration, and minimal traffic.

About **IFS**

**Proof tested. Project proven.**

At **Innovative Foundation Systems (IFS)** we set out to solve problems that pile installers and project engineers run into every day. Our experienced team of modern pile foundation specialists spend years developing, testing, and proving alternative solutions to be used where traditional piling methods cause problems.

As modern pile foundation contractors ourselves, we encounter many of these problems on the job site. **Drivecast** is a common sense solution that was developed out of necessity in the field, perfected by engineers in the office, and proven in real world applications throughout the country.

Learn more at [modernpile.com](http://modernpile.com)

Drivecast is produced and sold by Earth Contact Products, a global leader in foundation product manufacturing.



[earthcontactproducts.com](http://earthcontactproducts.com)