

CHANCE®

APPLICATION



**ROCK-IT™**  
**LEAD SECTION**  
**FOR DENSE SOIL AND**  
**PERMAFROST APPLICATIONS**







The ROCK-IT lead section is an innovative solution that allows helical piles to penetrate rocky, permafrost, or high blow count soils without pre-drilling or field modification.

The single carbide design was developed after site testing of several rock anchor configurations to provide an economical, yet proven solution to reach load-bearing depths in high blow count material. ROCK-IT was originally tested in the hardened natural cement conditions of the Atacama Desert (caliche) and proved successful in the toughest soil conditions.

ROCK-IT anchors are installed with a small digger with a drive head attachment. Since no concrete is needed in constructing a helical pile foundation, immediate loading after installation provides additional time and cost savings.

Installation of helical piles with ROCK-IT lead section does not displace soil, so the environmental impact is significantly lower than for other foundations.

## FEATURES AND BENEFITS

CHANCE piles are made for strength. The square shaft is fabricated from low-alloy, high-strength steel. The helical plates are made from 80-grade steel with a yield strength of 80,000 PSI. For comparison mild steel has a yield strength of 36,000 PSI. This is strong enough for most jobs, but ROCK-IT is even stronger.

The ROCK-IT helical pile lead section helps mitigate unexpected issues caused by tough soil conditions. Avoid delays created by needing to make field modifications or pre-drill in order to penetrate the soil. When it's important to keep the project on time and on budget, the ROCK-IT helical pile lead section provides a solution you can rely on.

- Wear resistant, offset carbide tip designed to break through rocky soil - even permafrost!
- Reduced installation time to save time and money
- Can be installed any time of year
- Reduced spiking of torque and chatter during installation for better pile performance and a safer alternative
- No excavation
- No vibration
- No concrete necessary
- Can be removed / reused
- Reduce installation equipment
- Install around existing underground obstructions



“ The CHANCE ROCK-IT anchor performed remarkably well at a site where we typically cannot install a standard CHANCE helical anchor due to shallow limestone layers. It has given us more opportunities to provide a helical anchor system in soil conditions that we would typically have to walk away from.”

- Josh Lindberg, Helical Concepts, Inc., Wylie, TX



**[chancefoundationsolutions.com](http://chancefoundationsolutions.com)**

**©2020 Hubbell Power Systems. All rights reserved.**

Hubbell, the Hubbell logo are registered trademarks or trademarks of Hubbell Power Systems.  
All other trademarks are the property of their respective owners.

Printed in U.S.A. BR04315E\_1020