



**CHANGE**<sup>TM</sup>  
*Since 1912*

**HELICAL PULLDOWN<sup>®</sup> MICROPILE**  
DEEP FOUNDATION SOLUTIONS

**COMMERCIAL GRADE**



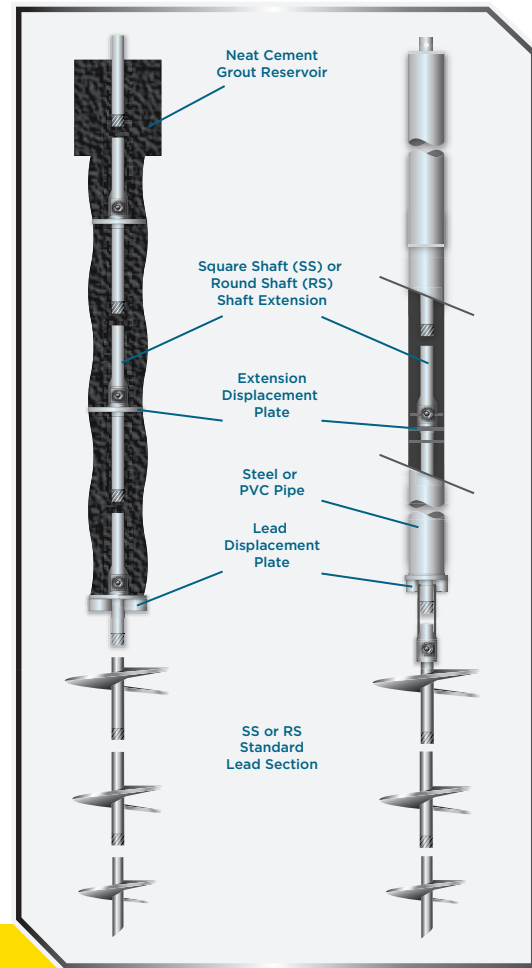
**C**HANCE Helical Pulldown Micropile (HPM) is a deep foundation solution that constructs a grout column around the shaft of a standard helical pile foundation system. This time and labor-saving product is installed directly into soil eliminating the need for excavation and spoil removal from the job, allowing for 40-50 piles to be installed per day with smaller crews and equipment.

The HPM is a method of forming a grout column around the shaft of a standard square shaft or pipe shaft helical pile/anchor. The result is a helical pile with grouted shaft similar, in terms of installation, to drilled and grouted anchors or auger cast-in-place piles using gravity grouting.



Un-Cased HPM

Cased HPM

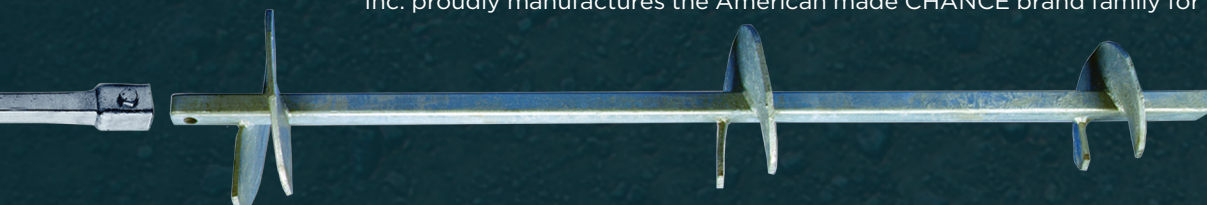


## CUT COSTS AND SAVE TIME

The unique design combines both end-bearing on the helical plates and side resistance along the rough surface of the grout column, which results in a higher capacity pile system (greater than 100 tons possible) that is ideal for weak soil sites with limited access.

## HISTORY AND INNOVATION, SINCE 1912

The CHANCE Helical Pile was the first foundation stabilization system created for remedial repair. Today, CHANCE products continue to lead the industry with innovative solutions that are widely accepted for quality and performance within the deep foundation industry. Hubbell Power Systems, Inc. proudly manufactures the American made CHANCE brand family for residential, commercial,







## INSTALLATION

CHANCE Helical Foundations install quickly in any weather condition. To install, a hydraulically powered torque motor is mounted to standard excavating equipment. Continuous torque and crowd is applied to advance the HPM into the soil. Soil displacement plates create an annulus around the shaft by pushing soil laterally sideways. Cement grout is poured into the annulus around the shaft to form a composite column. Once cured, the grout column stiffens the pile shaft and provides additional lateral capacity, the grout column stiffens the pile shaft and provides additional lateral capacity.

### KEY BENEFITS:

- Increase buckling capacity
- Increased compression capacity
- Provides additional corrosion protection
- Stiffens the load/deflection response
- Maximum Ultimate Capacity = 300 kips

## APPLICATION VERSATILITY

Ideal for projects where increasing capacity and providing predictable results is a must. The HPM provides a stiff pile that resists buckling in weak soils while also providing corrosion protection in aggressive soils and high water tables. A proven engineered system, bearing and side resistance is combined to bring a no pre-drill solution to a wide variety of applications for new construction, remedial repair, and limited access areas with minimal site disturbance.



industrial, electric utility, oil and gas, pipeline, mooring, railroad, and renewable energy markets. Backed by over 100 years of engineering experience, CHANCE Helical Pile Systems offer a technically advanced and extremely cost effective alternative to concrete and other foundation systems. CHANCE Helical Piles comply with the 2015, 2012, and 2009 International Building Code (IBC), are ICC-ES Approved, and ISO:9001 Certified.





# HELICAL PULLDOWN® MICROPILE

## DEEP FOUNDATION SOLUTIONS

UNDERPINNING

NEW CONSTRUCTION

COASTAL ELEVATION

TELECOM

Never Compromise™



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