



Helical Piles: A Practical Guide to Design and Installation

Howard A. Perko

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Helical Piles: A Practical Guide to Design and Installation Howard A. Perko **An unbiased, comprehensive review of helical pile technology and applications**

Helical piles have risen from being merely an interesting alternative for special cases to a frequently requested, more widely accepted deep foundation adopted into the 2009 International Building Code. The first alternative to manufacturer-produced manuals, Howard Perko's *Helical Piles: A Practical Guide to Design and Installation* answers the industry's need for an unbiased and universally applicable text dedicated to the design and installation of helical piles, helical piers, screw piles, and torque anchors.

Fully compliant with ICC-Evaluation Services, Inc., *Acceptance Criteria for Helical Foundation Systems and Devices* (AC358), this comprehensive reference guides construction professionals to manufactured helical pile systems and technology, providing objective insights into the benefits of helical pile foundations over driven or cast foundation systems, and recommending applications where appropriate. After introducing the reader to the basic features, terminology, history, and modern applications of helical pile technology, chapters discuss:

- Installation and basic geotechnics
- Bearing and pullout capacity
- Capacity verification through torque
- Axial load testing, reliability, and sizing
- Expansive soil and lateral load resistance
- Corrosion and life expectancy
- Foundation, earth retention, and underpinning systems
- Foundation economics
- Select proprietary systems
- IBC and NYC Building codes

Covering such issues of concern as environmental sustainability, *Helical Piles* provides contractors and engineers as well as students in civil engineering with a practical, real-world guide to the design and installation of helical piles.

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Sharonda Adair:

This Helical Piles: A Practical Guide to Design and Installation is great guide for you because the content that is certainly full of information for you who else always deal with world and have to make decision every minute. This kind of book reveal it info accurately using great coordinate word or we can state no rambling sentences in it. So if you are read the idea hurriedly you can have whole facts in it. Doesn't mean it only offers you straight forward sentences but tough core information with lovely delivering sentences. Having Helical Piles: A Practical Guide to Design and Installation in your hand like obtaining the world in your arm, facts in it is not ridiculous just one. We can say that no reserve that offer you world in ten or fifteen minute right but this guide already do that. So , it is good reading book. Heya Mr. and Mrs. occupied do you still doubt that?

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