



# Helical Piles: A Practical Guide to Design and Installation

By Howard A. Perko

[Download now](#)

[Read Online](#) 

**Helical Piles: A Practical Guide to Design and Installation** By 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.

 [Download](#) **Helical Piles: A Practical Guide to Design and Ins ...pdf**

 [Read Online](#) **Helical Piles: A Practical Guide to Design and I ...pdf**

# Helical Piles: A Practical Guide to Design and Installation

By Howard A. Perko

**Helical Piles: A Practical Guide to Design and Installation** By 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.

**Helical Piles: A Practical Guide to Design and Installation** By Howard A. Perko Bibliography

- Sales Rank: #789552 in Books
- Published on: 2009-10-19
- Original language: English
- Number of items: 1
- Dimensions: 9.40" h x 1.30" w x 7.10" l, 2.35 pounds
- Binding: Hardcover
- 528 pages

 [\*\*Download\*\* Helical Piles: A Practical Guide to Design and Ins ...pdf](#)

 [\*\*Read Online\*\* Helical Piles: A Practical Guide to Design and I ...pdf](#)

## Download and Read Free Online Helical Piles: A Practical Guide to Design and Installation By Howard A. Perko

---

### Editorial Review

#### About the Author

**Howard A. Perko, PhD, PE**, has sixteen years of consulting engineering experience, is an instructor at Colorado State University, and the Director of Engineering for Magnum Geo Solutions, LLC. Dr. Perko has been active in the Helical Foundations and Tiebacks Committee of the Deep Foundations Institute since 2002, serving as its Chairman since 2008. He is also a member of the editorial advisory board for [helicalpierworld.com](http://helicalpierworld.com).

### Users Review

#### From reader reviews:

##### **Zachary Kirkland:**

Nowadays reading books be a little more than want or need but also get a life style. This reading habit give you lot of advantages. Advantages you got of course the knowledge your information inside the book which improve your knowledge and information. The knowledge you get based on what kind of publication you read, if you want attract knowledge just go with training books but if you want feel happy read one together with theme for entertaining for example comic or novel. Typically the Helical Piles: A Practical Guide to Design and Installation is kind of e-book which is giving the reader unstable experience.

##### **Stephen Adams:**

A lot of people always spent all their free time to vacation or perhaps go to the outside with them family or their friend. Do you know? Many a lot of people spent these people free time just watching TV, or playing video games all day long. If you would like try to find a new activity that's look different you can read the book. It is really fun for yourself. If you enjoy the book you read you can spent 24 hours a day to reading a e-book. The book Helical Piles: A Practical Guide to Design and Installation it is rather good to read. There are a lot of those who recommended this book. These folks were enjoying reading this book. Should you did not have enough space to bring this book you can buy typically the e-book. You can more effortlessly to read this book from the smart phone. The price is not very costly but this book features high quality.

##### **Vincent Espinoza:**

As we know that book is significant thing to add our information for everything. By a guide we can know everything you want. A book is a pair of written, printed, illustrated as well as blank sheet. Every year had been exactly added. This e-book Helical Piles: A Practical Guide to Design and Installation was filled concerning science. Spend your free time to add your knowledge about your scientific disciplines competence. Some people has several feel when they reading some sort of book. If you know how big advantage of a book, you can really feel enjoy to read a publication. In the modern era like currently, many ways to get book you wanted.

**William Levitt:**

That e-book can make you to feel relax. This book Helical Piles: A Practical Guide to Design and Installation was bright colored and of course has pictures around. As we know that book Helical Piles: A Practical Guide to Design and Installation has many kinds or type. Start from kids until teens. For example Naruto or Investigation company Conan you can read and believe you are the character on there. Therefore , not at all of book are usually make you bored, any it offers you feel happy, fun and chill out. Try to choose the best book in your case and try to like reading that will.

**Download and Read Online Helical Piles: A Practical Guide to Design and Installation By Howard A. Perko #VLXMHAIGYUO**

# **Read Helical Piles: A Practical Guide to Design and Installation By Howard A. Perko for online ebook**

Helical Piles: A Practical Guide to Design and Installation By Howard A. Perko Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Helical Piles: A Practical Guide to Design and Installation By Howard A. Perko books to read online.

## **Online Helical Piles: A Practical Guide to Design and Installation By Howard A. Perko ebook PDF download**

**Helical Piles: A Practical Guide to Design and Installation By Howard A. Perko Doc**

**Helical Piles: A Practical Guide to Design and Installation By Howard A. Perko MobiPocket**

**Helical Piles: A Practical Guide to Design and Installation By Howard A. Perko EPub**

**VLXMHAIGYUO: Helical Piles: A Practical Guide to Design and Installation By Howard A. Perko**