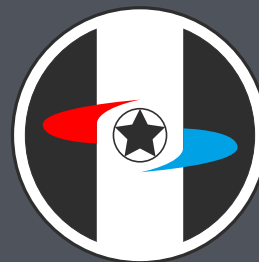


2020 CATALOG



PILEWORKS



**HELICAL PILES
GROUTED DISPLACEMENT PILES
STEEL CAPS
TOOLS & ACCESSORIES
FOUNDATION SYSTEMS**

Premium Steel. Reliable Results.

1 (800) 900 PILE
QUOTE@PILEWORKS.COM

**24430 FM 1488
MAGNOLIA, TX 77355**



PILEWORKS
2019 PRODUCT CATALOG

FUTURE FOUNDATION SYSTEMS



**HELICAL PILES
GROUTED PILES
MICROPILES
DRILL TOOLING
AUGERS
HELICAL FLIGHTS
HELICAL COUPLINGS
ENGINEERED FOUNDATION
SOLUTIONS**

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About

OUR COMPANY

SERVICES

ENGINEERING
CAD DESIGN
LOAD TESTING



PROVIDING THE RIGHT PRODUCTS

TO BUILD THE WORLD'S FOUNDATIONS

We are a leading provider in steel foundation piling products, drill tooling, as well as innovative foundation systems. Established in 2013, we began as a small, humble team consisting mainly of veteran field workers in the Foundation Construction Industry. Since then we have now grown into a full-scale supply company, providing resources for general contractors, piledrivers, and pile installers. We are also a pile parts supplier for other piling production companies, supplying them with components which they use to build their products.

OUR MISSION

EMPOWERING TEAMS TO BUILD FOUNDATIONS WITH CONFIDENCE

Our passion is giving general contractors the material they need to get the job done fast, on time, and within budget. We want to give you the resources at a cost that will ensure you get more bids, and delivered fast! For manufacturers, we desire to supply the piling components you need at competitive prices, so you can save on costs and keep more money in your pocket.

Here at Pileworks, we imagine a world where deep foundations around the world are built with reliable material that has predictable load test results. We want people to know the foundations they're using every day are safe, and builders to know they can make the best foundations, affordably.

We also employ the latest green technologies in our manufacturing process, and even in our foundation systems, because we don't want to make greatness at the expense of the environment. We desire foundations that make a green and better world.



HISTORY

FROM HUMBLE BEGINNINGS

We started out in 2013 under the name A.P.E. Drilling & Piling. As a division of the Washington-based manufacturing company, American Piledriving Equipment, Inc., we specialized in manufacturing drilling equipment and proprietary steel piling solutions for projects all around the nation & abroad.

Every year we were driven to answer the call and meet the needs of our customers with innovative solutions. In 2018, under new visionary leadership, we grew into our own company, and dawned a bold new name in the Industry as **Pileworks!**

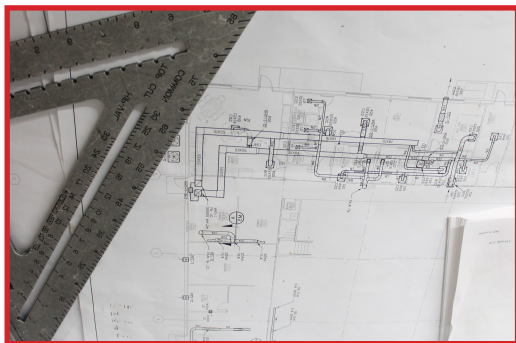




Services

MAKING THE MOST OF YOUR FOUNDATION

We are a full-scale manufacturer of piling products and pile componentry, servicing multiple Industries from Transmission and Distribution, Building Trades, Oil & Gas, and DOT. But we are more than a pile manufacturing company. We offer design, engineering, and even on-site services and support. We make sure piledriving contractors & construction crews are equipped with the greatest tools, information, and resources needed to make each foundation project a success. We offer turnkey foundation solutions that are ISO 9001:2015 compliant and tailored to suit customers' projects, as well as valuable options so foundation products.



ENGINEERING

We're partnered with 3rd party engineering geo-technical and structural firms to provide assistance in engineering Pileworks products into your project.

- Project Submittals
- Design Build Support
- Engineers are licensed in the U.S.

CAD DESIGN

Work with us to design the right deep foundation for your project. Our design services offer the best solutions with steel foundations on the market, tailored to your project's specific needs.



GET A QUOTE

EACH JOB IS UNIQUE. CONTACT US TO
GET A FREE PERSONALIZED QUOTE FOR
YOUR PROJECT.

Quality

LABORATORY-TESTED STEEL MATERIALS

Pileworks generates ITRs (Inspection Test Reports) and we provide accurate QC & testing for metal materials used in the manufacturing process. We assign internal heat numbers for traceability of the tested material to coincide with material design specifications on every order, ensuring you get the highest quality possible.

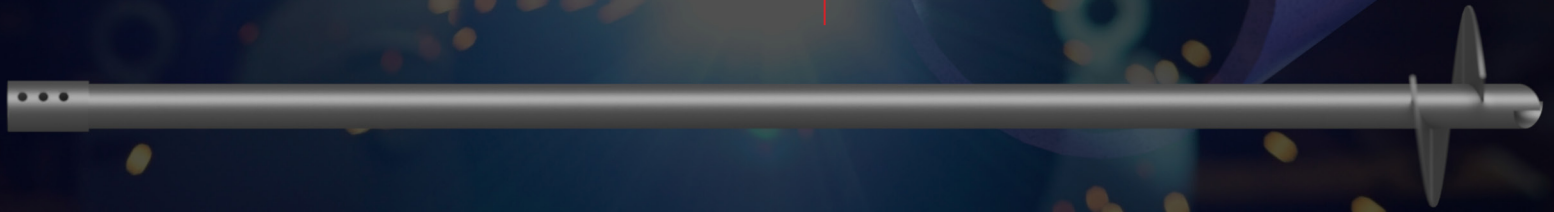


Bolted

HELICAL PILES



NON-GROUTED



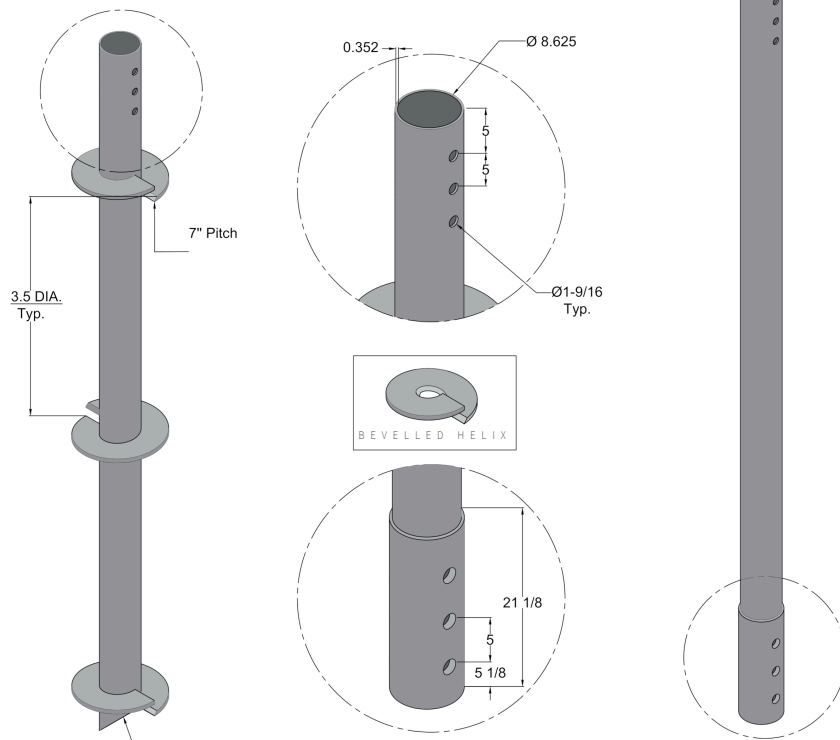
OVERVIEW &

TECHNICAL SPECS

Made from high-yield steel to support the greatest loads, our bolt-on piles are the standard in the Foundation Construction industry. The pile designs are fully customizable, from the length and wall thickness to the helix flight, and even the bolt-hole configuration on the coupling end to ensure maximum compatibility with the most commonly used drive heads in the field.

LOAD CAPACITIES	
PILE DIAMETER	ALLOWABLE STRUCTURAL CAPACITY (KIPS)*
4.50"	180
5.50"	318
7.0"	406
7.625"	537
8.625"	613

* LOAD CAPACITIES ARE DEPENDENT ON SOIL CONDITIONS



DESIGN EXAMPLE



CUSTOM PILE DESIGNS

Everything on our bolted piles is customizable in order to best match your foundation design. Our flexible approach allows you to get the right pile to match your needs on the jobsite, so you can use the equipment you trust to get the results you need.



PILE SHAFT

Diameter: 4.50", 5.50", 7", 7.625", 8.625", and up to 24"

Length: 5', 7.5', 10', 15', 20', 40'

Wall Thickness: .290", .310", .365", .382", .408", .415", .482", .500", .545", .582", .750"

Material Strength: 80ksi, 100ksi



PILE HELIX

Diameter: 8" - 30"

Pitch: 4" - 21"

Thickness: 1/2", 5/8", 3/4", 1"



PILE COUPLER

Diameter: 4.50" - 24"

Hole Diameter: custom sizes available dependent on design

Hole Placement: custom positions as needed

A D V A N T A G E S

RAPID INSTALLATION

Compatibility with common equipment makes mobilization and installation fast & economical

IMMEDIATE LOAD CAPABILITY

No need to wait for excess pore water pressures to dissipate or grout to harden with non-grouted piles

MINIMAL SITE DISTURBANCE

Typical helical pile installation produces no soil cuttings. The jobsite is often cleaner and more optimized

MORE LOCATIONS

Because bigger equipment is not required, helical piles are often used in remote locations & tight workspaces

LOWER NOISE LEVELS

Helical pile installations are quieter, making them especially ideal for projects in urban areas

ENVIRONMENTALLY FRIENDLY

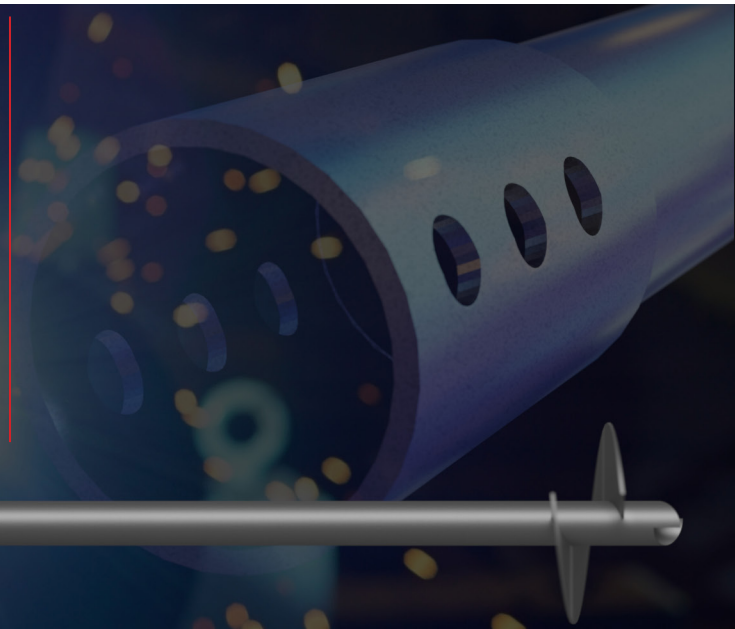
The minimal effect helical piles have on the terrain, environment, and wildlife make for a more green project



Bolted

DISPLACEMENT PILES

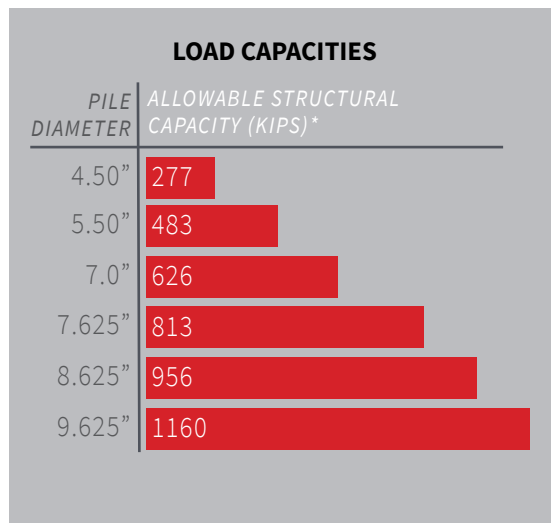
>> GROUTED



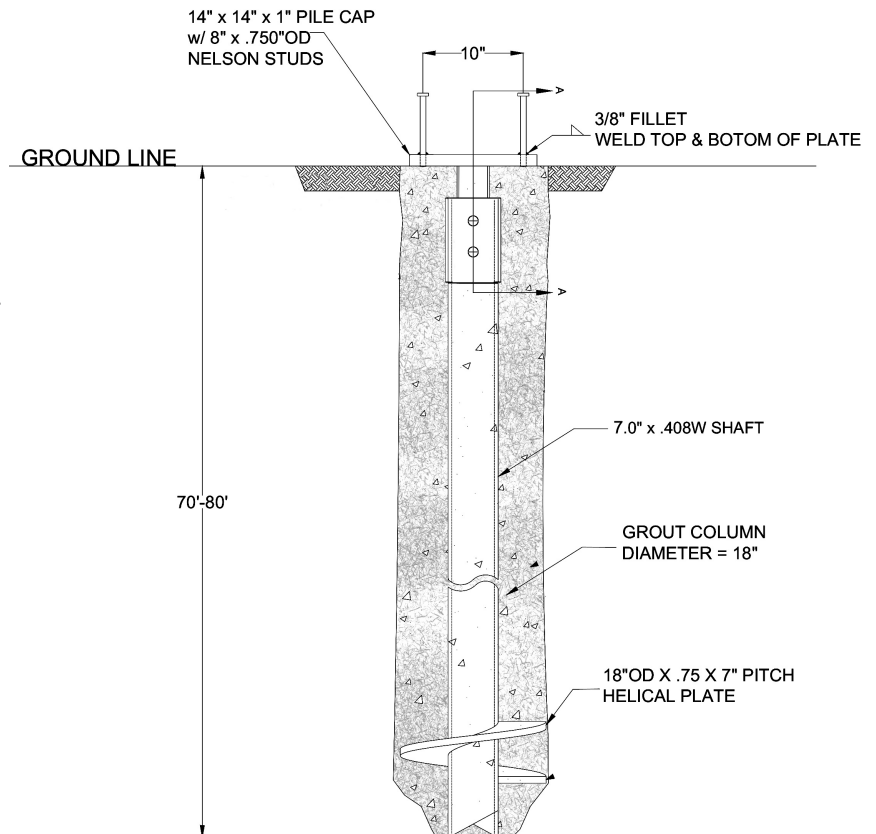
OVERVIEW &

TECHNICAL SPECS

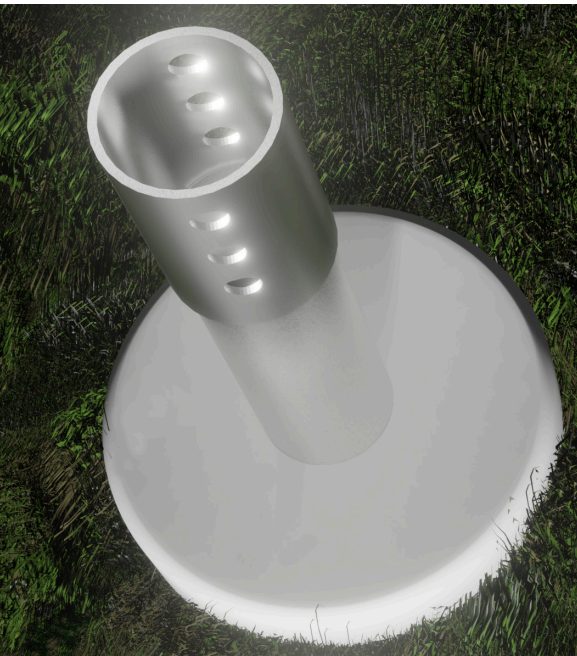
Utilizing modern grouting techniques to support the greatest loads, our bolted grouted piles are the standard in the Foundation Construction industry. The pile designs are fully customizable, from the length and wall thickness to the helix flight, and even the bolt-hole configuration on the coupling end to ensure maximum compatibility with the most commonly used drive heads in the field.



* LOAD CAPACITIES ARE DEPENDENT ON SOIL CONDITIONS

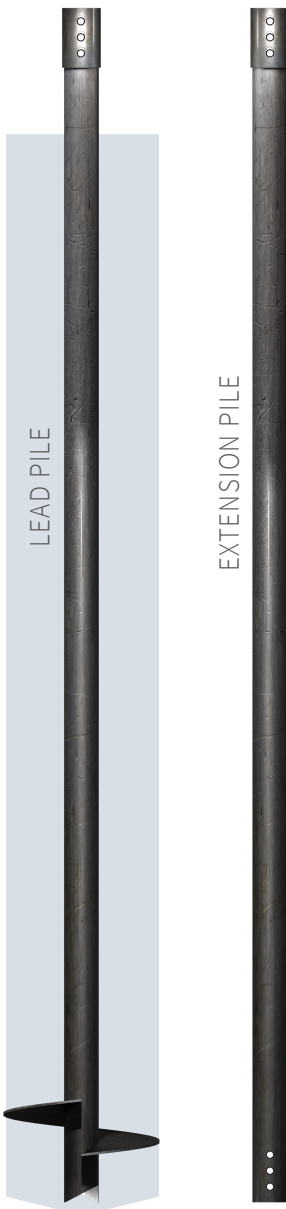


DESIGN EXAMPLE (WITH PILE CAP)



CUSTOM PILE DESIGNS

Everything on our bolted piles is customizable in order to best match your foundation design. Our flexible approach allows you to get the right pile to match your needs on the jobsite, so you can use the equipment you trust to get the results you need.



PILE SHAFT

Diameter: 4.50", 5.50", 7", 7.625", 8.625", and up to 24"

Length: 5', 7.5', 10', 15', 20', 40'

Wall Thickness: .290", .310", .365", .382", .408", .415", .482", .500", .545", .582", .750"

Material Strength: 80ksi, 100ksi



PILE HELIX

Diameter: 8" - 30"

Pitch: 4" - 21"

Thickness: 1/2", 5/8", 3/4", 1"



PILE COUPLER

Diameter: 4.50" - 24"

Hole Diameter: custom sizes available dependent on design

Hole Placement: custom positions as needed

A D V A N T A G E S

GREATER LOAD SUPPORT

Finished grouted displacement piles have much greater maximum load capacities than non-grouted piles

SIMPLER INSTALL

Pileworks offers adapters to pressure grout while installing to make a finished grouted anchor with fewer install steps

CLEANER JOBSITE

Using Pileworks products and methods allow for less grout and mess on jobsites, with much less to clean up

MORE LOCATIONS

Grouted columns around the pile allow for more consistent load capabilities in a variety of soil conditions & geographies

LOWER NOISE LEVELS

Bolted pile installations are very quiet, making them especially beneficial for projects in urban areas

ENVIRONMENTALLY FRIENDLY

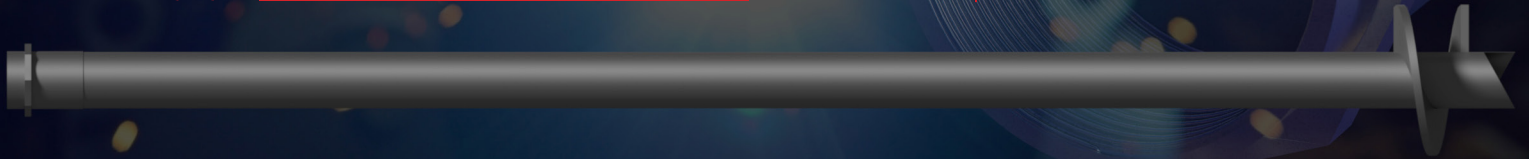
Our piles are made with green technology & material, and leave minimal footprint on the ecosystem

Threaded

HELICAL PILES



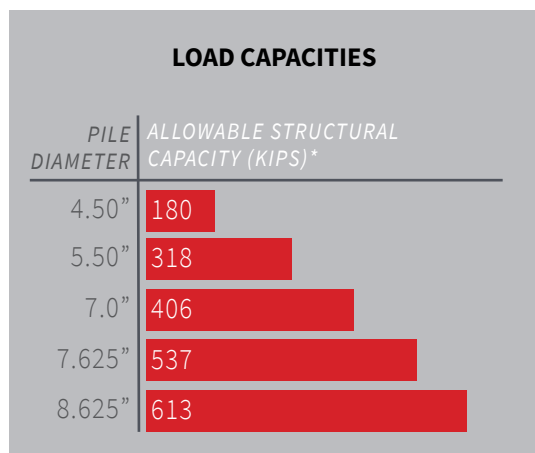
NON-GROUTED



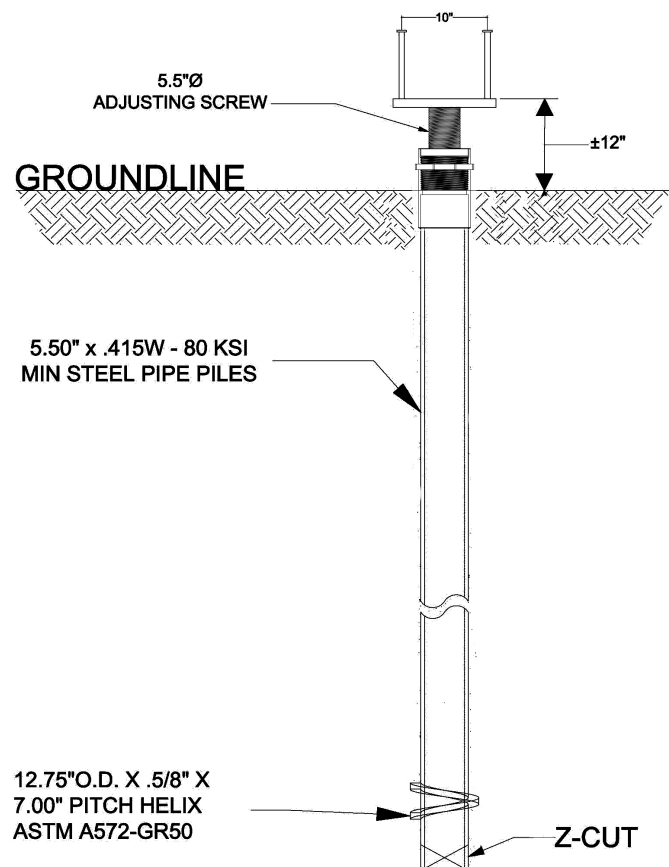
OVERVIEW &

TECHNICAL SPECS

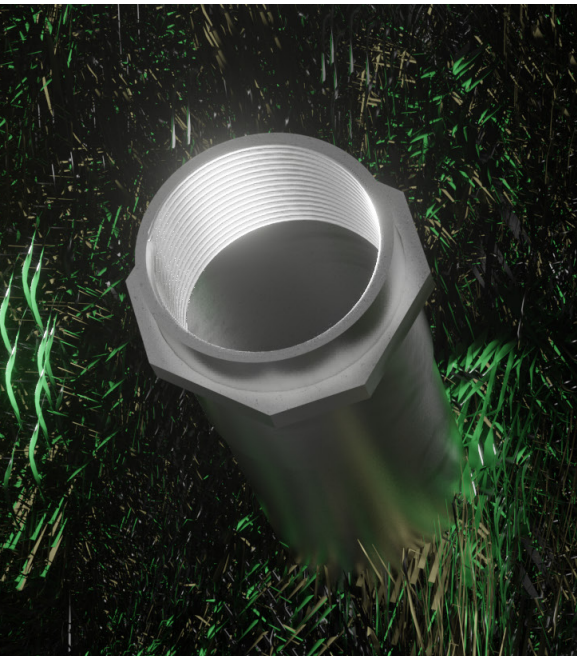
Made from high-yield steel to support the greatest loads, our threaded coupler piles are the premium choice in the Foundation Construction industry. The pile designs are fully customizable, from the length and wall thickness to the helix flight, and even hex-shaped drive ring on the coupling end to ensure maximum compatibility with the most commonly used drive heads in the field.



* LOAD CAPACITIES ARE DEPENDENT ON SOIL CONDITIONS



DESIGN EXAMPLE (WITH PILE CAP)



CUSTOM PILE DESIGNS

Everything on our threaded coupler piles is customizable in order to best match your foundation design. Our flexible approach allows you to get the right pile to match your needs on the jobsite, so you can use the equipment you trust to get the results you need.



PILE SHAFT

Diameter: 4.50", 5.50", 7", 7.625", 8.625", and up to 24"

Length: 5', 7.5', 10', 15', 20', 40'

Wall Thickness: .290", .310", .365", .382", .408", .415", .482", .500", .545", .582", .750"

Material Strength: 80ksi, 100ksi



PILE HELIX

Diameter: 8" - 30"

Pitch: 4" - 21"

Thickness: 1/2", 5/8", 3/4", 1"



PILE COUPLER

Diameter: 4.50" - 24"

Hex Ring Diameter: custom sizes available dependent on design

A D V A N T A G E S

RAPID INSTALLATION

On-site labor savings are realized due to the unique threaded coupler design, allowing for on-time project completion

IMMEDIATE LOAD CAPABILITY

Helical piles can be loaded immediately after installation. No need to wait for concrete to cure or pore water dissipation

GREATER COUPLING STRENGTH

Our locking tapered thread design between pile sections provides couplers with superior strength

MORE LOCATIONS

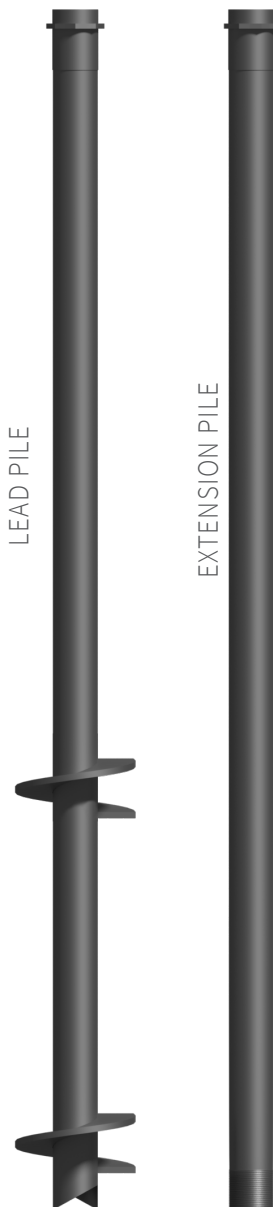
Because bigger equipment is not required, helical piles are often used in remote locations & tight workspaces

LOWER NOISE LEVELS

Helical pile installations are quieter, making them especially ideal for projects in urban areas

ENVIRONMENTALLY FRIENDLY

The minimal effect helical piles have on the terrain, environment, and wildlife make for a more green project



Threaded

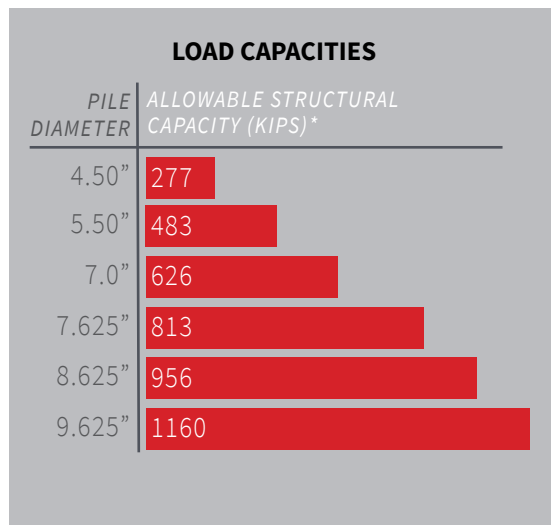
DISPLACEMENT PILES

» GROUTED

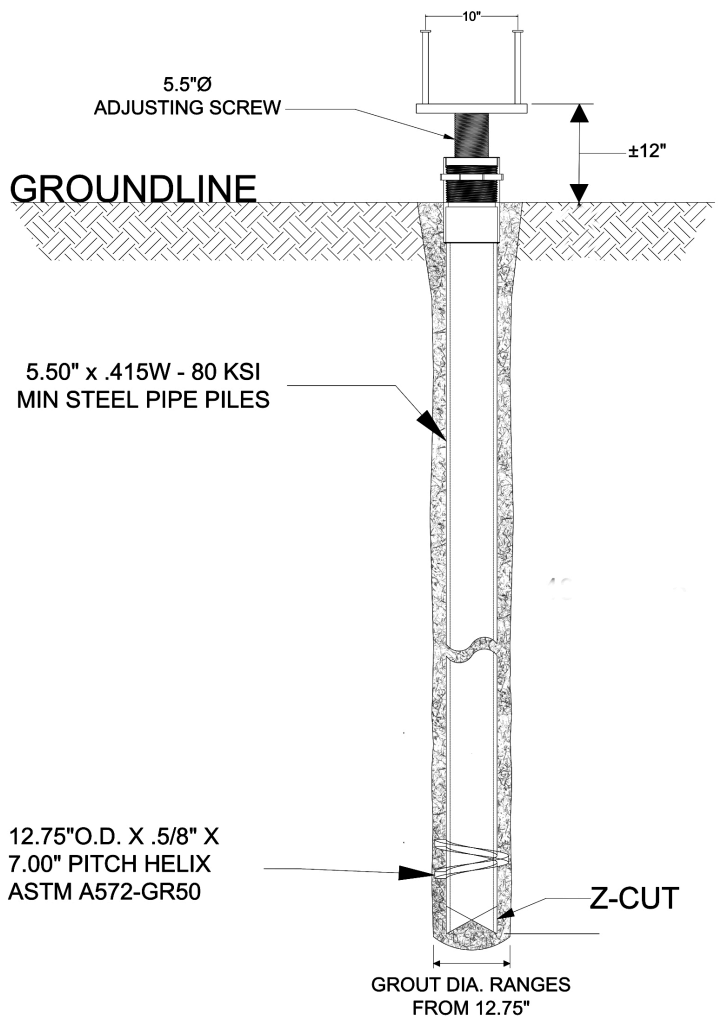
OVERVIEW &

TECHNICAL SPECS

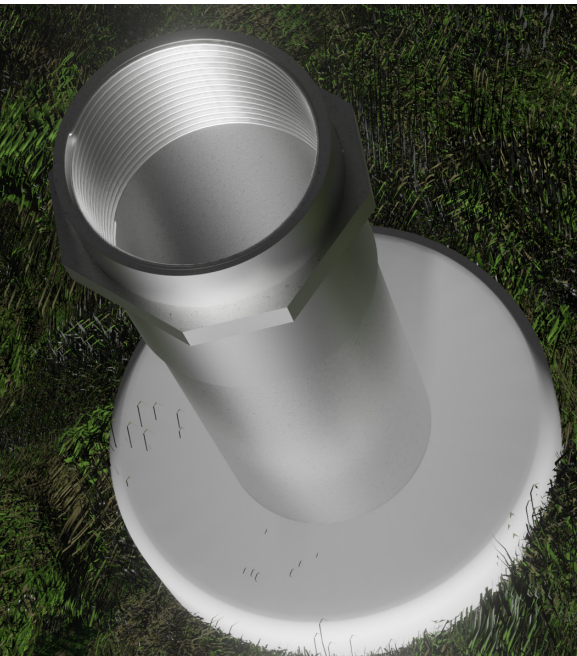
The most innovative high-capacity piles on the market. Our threaded coupler displacement piles are designed with speed and efficiency in mind. Fast installs using modern drive heads, and with the ability to pressure grout during installation, this is the fastest, cleanest, and most productive grouted steel foundation solution.



* LOAD CAPACITIES ARE DEPENDENT ON SOIL CONDITIONS

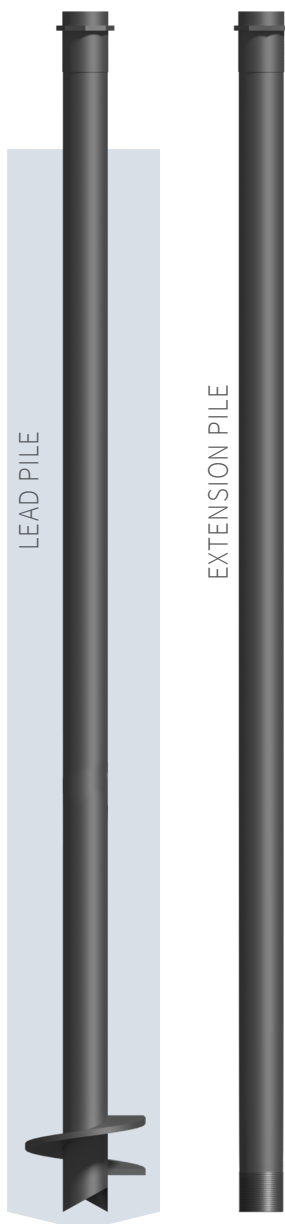


DESIGN EXAMPLE (WITH PILE CAP)



CUSTOM PILE DESIGNS

Everything on our threaded coupler piles is customizable in order to best match your foundation design. Our flexible approach allows you to get the right pile to match your needs on the jobsite, so you can use the equipment you trust to get the results you need.



PILE SHAFT

Diameter: 4.50", 5.50", 7", 7.625", 8.625", and up to 24"

Length: 5', 7.5', 10', 15', 20', 40'

Wall Thickness: .290", .310", .365", .382", .408", .415", .482", .500", .545", .582", .750"

Material Strength: 80ksi, 100ksi

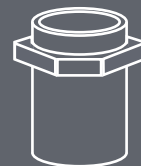


PILE HELIX

Diameter: 8" - 30"

Pitch: 4" - 21"

Thickness: 1/2", 5/8", 3/4", 1"



PILE COUPLER

Diameter: 4.50" - 24"

Hex Ring Diameter: custom sizes available dependent on design

A D V A N T A G E S

GREATER LOAD SUPPORT

Finished grouted displacement piles have much greater maximum load capacities than non-grouted piles

SIMPLER INSTALL

Pileworks offers adapters to pressure grout while installing to make a finished grouted anchor with fewer install steps

PRESSURE GROUTING

The water-tight seal between threaded couplings allows the pile to be grouted and installed at the same time

MORE LOCATIONS

Because bigger equipment is not required, helical piles are often used in remote locations & tight workspaces

LOWER NOISE LEVELS

Helical pile installations are quieter, making them especially ideal for projects in urban areas

ENVIRONMENTALLY FRIENDLY

The minimal effect helical piles have on the terrain, environment, and wildlife make for a more green project

Bucket

HELICAL PILES

» GROUTED OR NON-GROUTED

OVERVIEW &

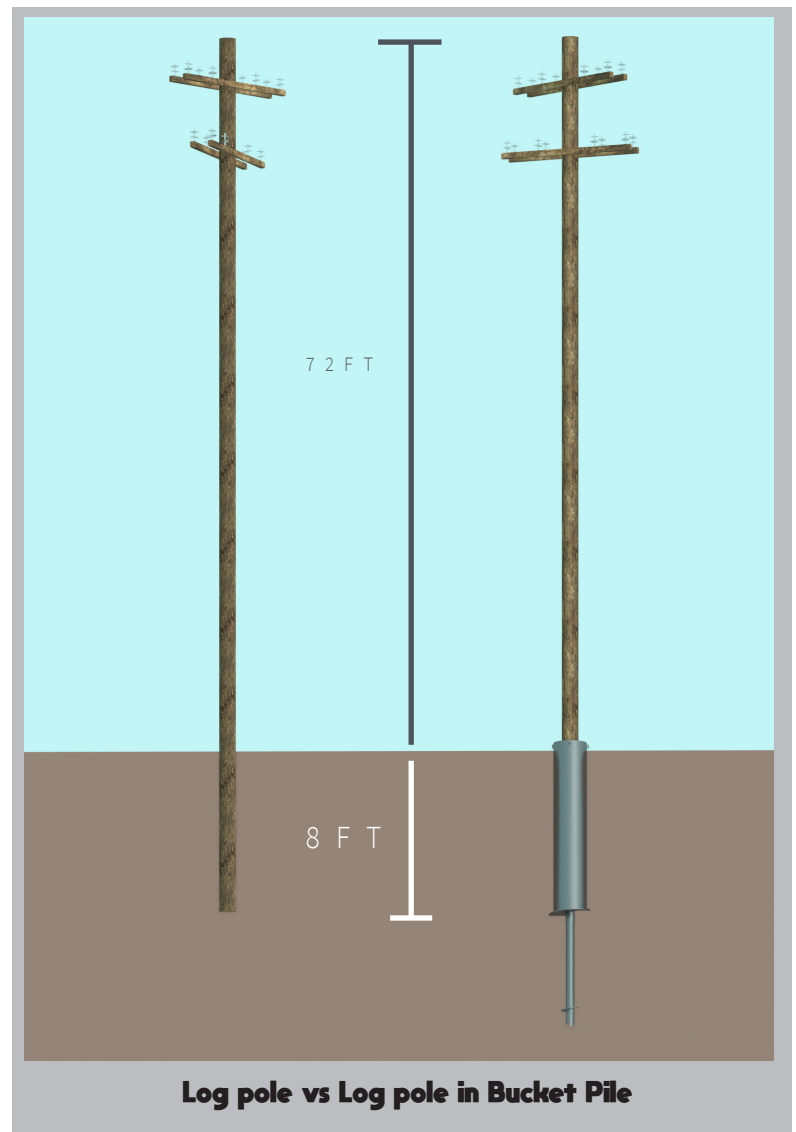
TECHNICAL SPECS

Revolutionizing the piling industry are our helical-driven bucket piles. These piles utilize a hollow top steel casing which can be used to contain powerline poles, and as a means to improve lateral capacities in weak soils for below-ground foundations.

The great advantage is that these piles provide an economic solution for transmission lines, utility poles and civil projects that require superior lateral loads.

Protecting your log poles with bucket piles keeps them safe from environmental hazards and natural disasters.

- **Extends life-span of powerlines & utility poles**
- **Dramatically increase lateral capacity of deep foundations**
- **Keep utilities running more reliably**





CUSTOM PILE DESIGNS

Everything on our bucket piles is customizable in order to best match your foundation project design. Our flexible approach allows you to get the right pile to match your equipment needs on the jobsite, so you can use the tools you trust to get the results you need.



HELICAL PILE SHAFT

Diameter: 4.50", 5.50", 7", 7.625", 8.625", and up to 24"

Length: 5', 7.5', 10', 15', 20', 40'

Wall Thickness: .290", .310", .365", .382", .408", .415", .482", .500", .545", .582", .750"

Material Strength: 80ksi, 100ksi



PILE HELIX

Diameter: 8" - 30"

Pitch: 4" - 21"

Thickness: 1/2", 5/8", 3/4", 1"



PILE BUCKET

Diameter: 18" - 60"

Install method: Using our Bucket Pile install adapter, common drive heads can install our Bucket Piles

A D V A N T A G E S

GREATER LOAD SUPPORT

Steel foundations provide excellent compression, lateral, and axial load support in a variety of soils

SIMPLER INSTALL

Pileworks offers install adapters to make installation of Bucket Piles easier and more efficient with your equipment

BOLTED OR THREADED

Bucket piles can utilize either bolted or threaded connecting couplers, so you can choose what works best for you

MORE LOCATIONS

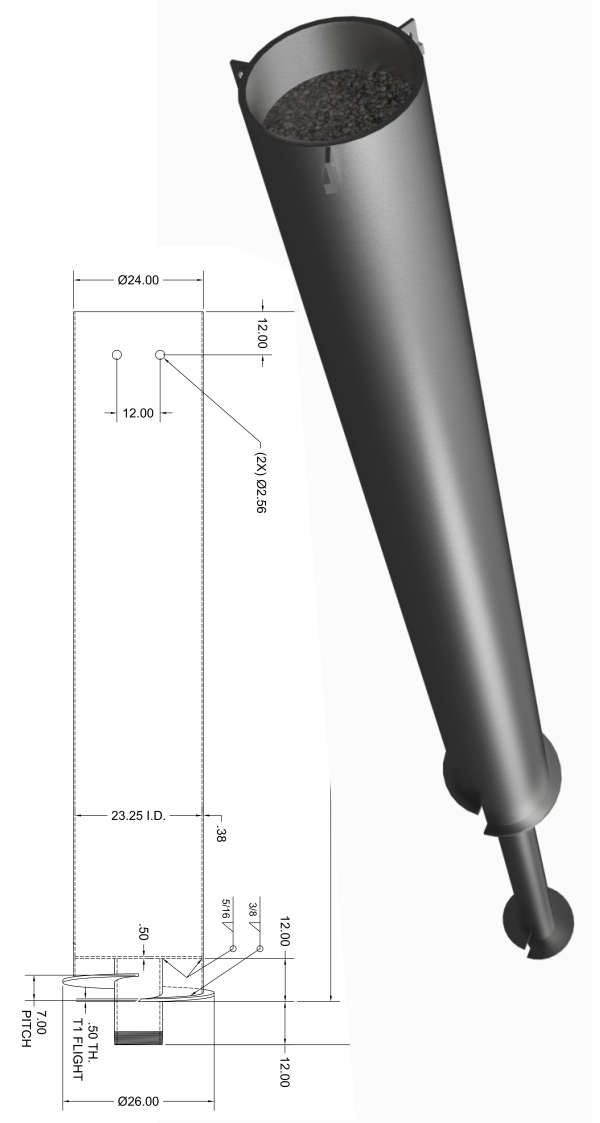
Bucket piles are a perfect application for swampy, wet, unsupported soil conditions

LOWER NOISE LEVELS

Bucket pile installations are very quiet, making them especially beneficial for projects in urban areas

ENVIRONMENTALLY FRIENDLY

Our piles are made with green technology & material, and leave minimal footprint on the ecosystem



Composite

PILE FOUNDATION



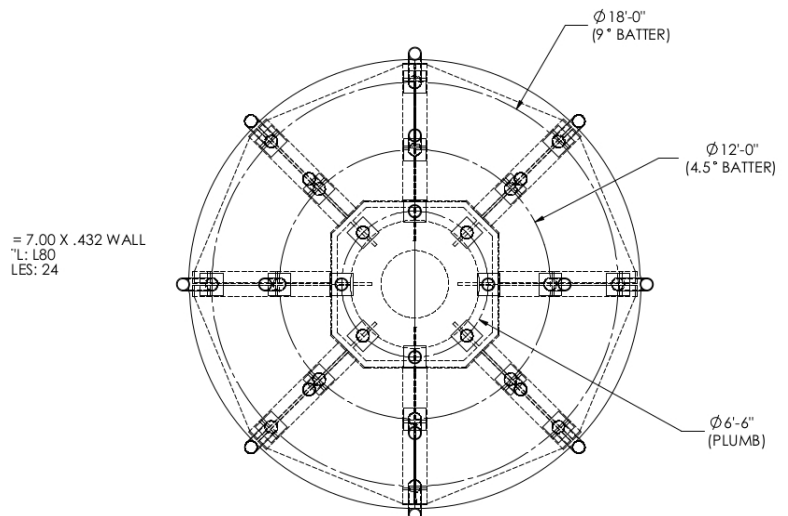
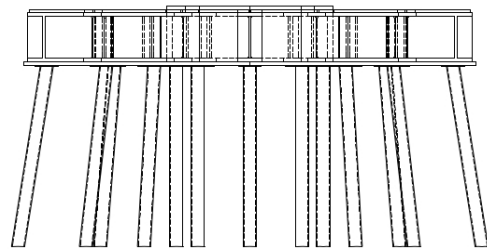
DRILLED-SHAFT ALTERNATIVE

OVERVIEW &

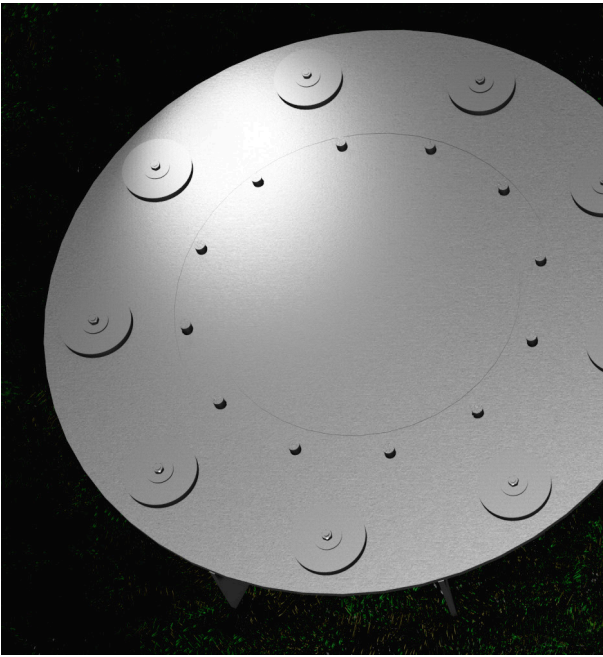
TECHNICAL SPECS

Composite Pile configurations were designed to provide an alternative means to drilled shafts used in the transmission and distribution industries.

Our size ranges for these foundation systems run from 6ft. diameter up to 16ft. diameter and incorporate solid steel construction. These caps cover moment loads from 830 ft-kip to 18,438 ft-kip. For larger sizes of the composite foundation, we incorporate an array of pile groupings to provide reliable, helical pile-based support for your structure. Our unique foundation's construction allows for seamless installation of individual piles instead of the messy and often tedious nature of trying to establish a single large-diameter drilled shaft. We wanted to produce a revolutionary foundation that met today's needs of the Industry, and thankfully our composite pile foundations are reliably supporting utility towers, transmission lines, and structures of all kinds.



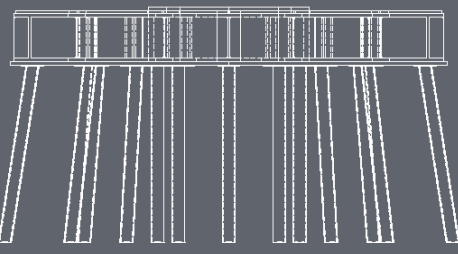
12 FT. DIAMETER
COMPOSITE PILE
TECHNICAL DRAWING



CUSTOM PILE DESIGNS

Everything on our Composite Pile Foundations are customizable in order to best match your foundation project design. Our flexible approach allows you to get the right foundation design to match your installation equipment on the jobsite, so you can use the tools you trust to get the results you need.

MODELED ULTIMATE STRUCTURE LOADS



6ft cap	4 piles	1,580 ft-kip
7ft cap	6 piles	2,521 ft-kip
8ft cap	6 piles	5,025 ft-kip
8.8ft cap	7 piles	5,025 ft-kip
10ft cap	8 piles	7,960 ft-kip
12ft cap	10 piles	12,863 ft-kip
14ft cap	12 piles	17,083 ft-kip
16ft cap	14 piles	17,083 ft-kip

*All referenced loads to be verified with finite review of project specific geotechnical information

ADVANTAGES

GREATER LOAD SUPPORT

Steel foundations provide excellent compression, lateral, and axial load support

LESS MANPOWER

Composite piles simplify process involvement to establish each foundation, reducing the required labor

LIMITED ACCESS FRIENDLY

Tight work areas and overhead restrictions aren't an issue; no larger-diameter piling equipment needed

SIMPLER INSTALL

Simple, systematic set of events that limit the overall amount of time needed to make a foundation. No drilling holes

MORE LOCATIONS

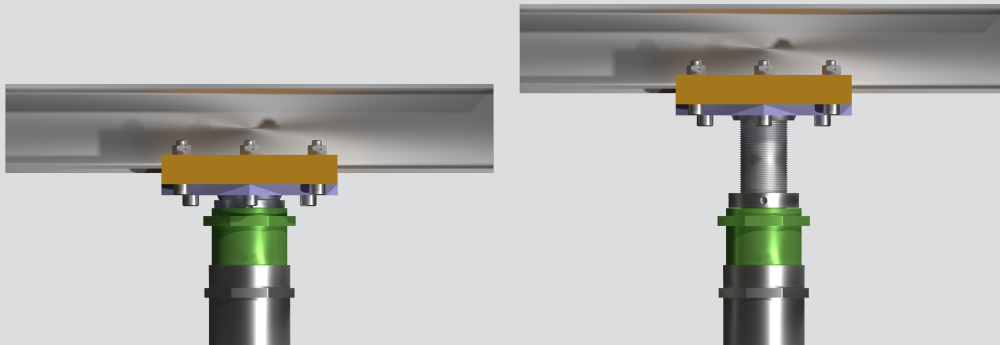
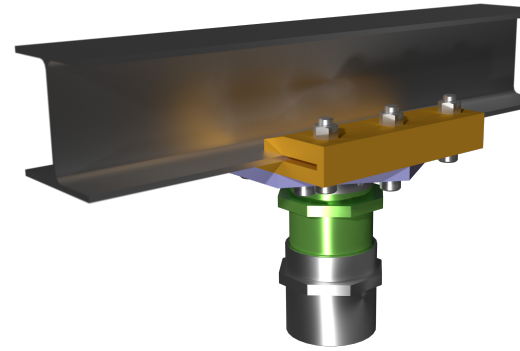
Pile foundations can be installed in a wide variety of soil conditions, making them ideal for most projects

ENVIRONMENTALLY FRIENDLY

Our piles are made with green technology & material, and leave minimal footprint on the ecosystem



PILE CAPS

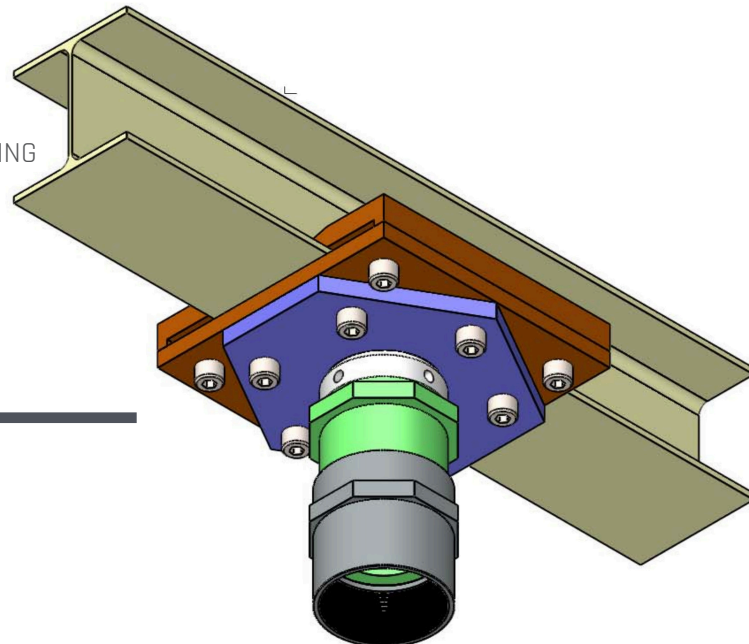


HORIZONTAL SUPPORT MEMBER TRUE WELDLESS PILE CAP DESIGN

The Pileworks Horizontal Support Member Pile Cap is a truly revolutionary product, designed with convenience and efficiency in mind. Far more flexible than conventional HSM's, our patented design allows small ground crews in urban and remote locations to easily install and adjust caps on top of our threaded coupler piles. Whether it be above-ground pipelines or structures of any kind, choose Pileworks HSM's when you need a pile cap made and leveled fast.

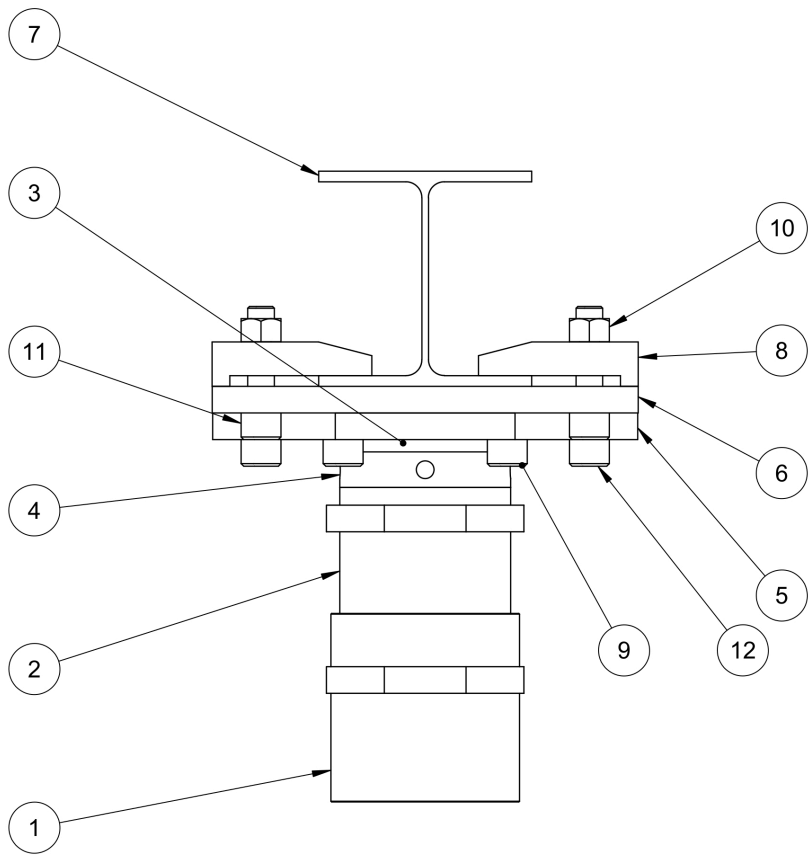
FEATURES

- 360 DEGREES OF SKEW
- 14" ADJUSTABLE VERTICAL ELEVATION
- 3-DEGREE ROTATION ON BOTH AXES FOR PRECISE LEVELING
- TRUE WELD-LESS APPROACH
- CAN BE INSTALLED WITHOUT BIG EQUIPMENT
- NO ON-SITE SURVEYORS REQUIRED
- SMALL GROUND CREWS
- CAN BE ADJUSTED EASILY LONG AFTER INITIAL INSTALL



HSM

Components



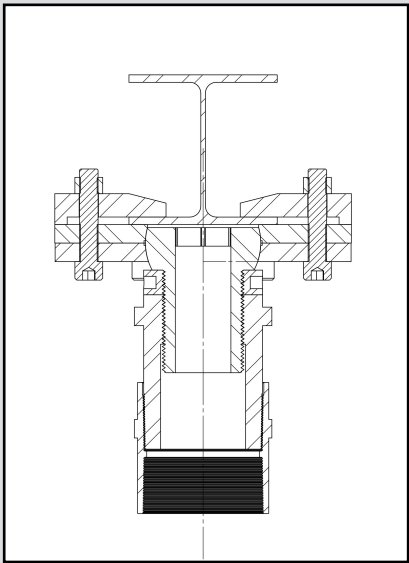
Item No.	Part Desc	Material	QTY
1	BTC DCLP		1
2	MALE PIPE W/ BUTTRESS THREAD	A36	1
3	STUD	A36	1
4	NUT	A36	1
5	PLATE-1	A36	1
6	PLATE-2	A36	1
7	W12 X 65	A36	1
8	CLIP	A36	2
9	HX-SCHS 1.5-6X3X3-N		4
10	HNUT 1.5000- 6-BN		6
11	HX-SCHS 1.5- 6X6X3.75-N		4
12	HX-SCHS 1.5- 6X 7.5X3.75-N		2

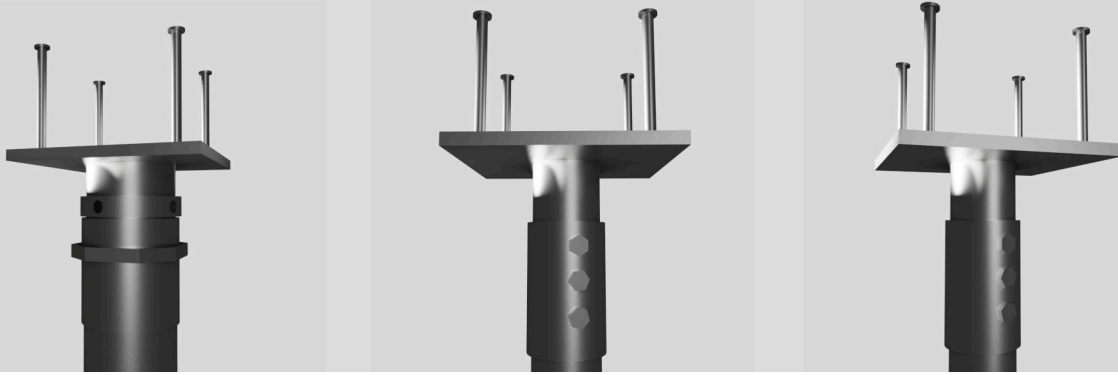
SPLIT VIEW

THREADED DESIGN

HSM PILE CAPS ARE COMPATIBLE WITH OUR THREADED COUPLER PILE SIZES X - X

When combined with our threaded coupler helical piles, these completed steel foundations are installed very rapidly, in both dense urban and rural remote areas. Their hassle-free design eliminates many of the equipment and ground crew requirements in the field, saving time and labor costs, making these pile caps an exceptional value.





NELSON STUD PILE CAP

TRUSTED TRADITIONAL PILE CAP DESIGNS

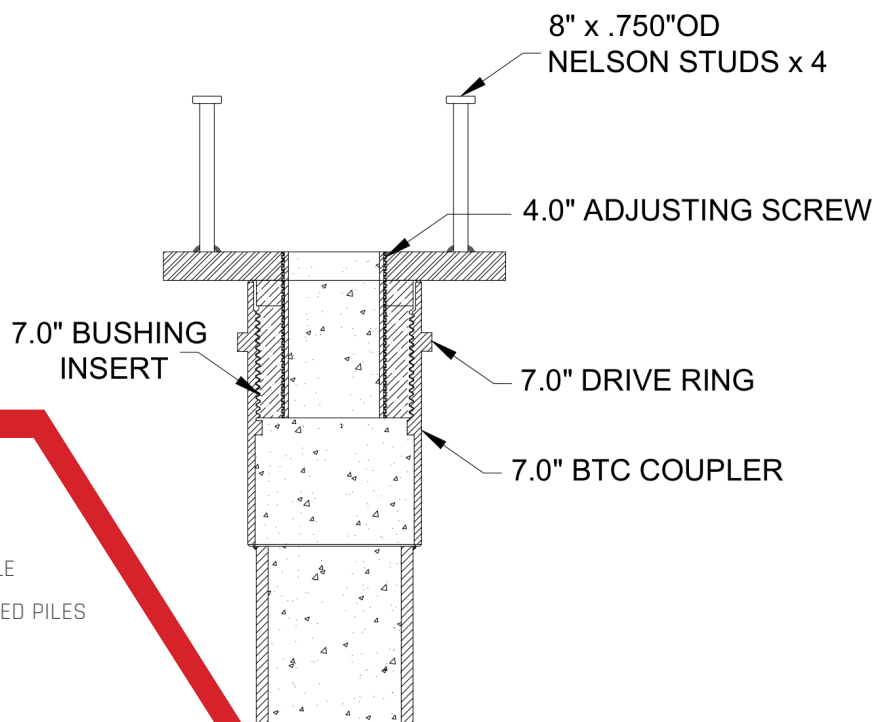
Whether for bolted piles or threaded coupler piles, our traditional pile caps make the final touches for deep foundations a breeze. Nelson Stud Pile Caps are easy to install by hand, taking little time and effort. As with all our products, they can be customized to accommodate any modifications to suit the needs of engineers or project designers, so you are guaranteed to have a complete deep foundation solution that's tailored for your success.

CAP COMPONENTS

MADE FROM HIGH
QUALITY STEEL &
PRECISION
MANUFACTURING

FEATURES

- VERY EASY TO LEVEL
- MAINTAINS FULL LOAD POTENTIAL OF THE PILE
- THREADED CAPS SCREW RIGHT INTO THREADED PILES
- TRUE WELD-LESS APPROACH
- CAN BE INSTALLED WITHOUT BIG EQUIPMENT
- NO ON-SITE SURVEYORS REQUIRED
- SMALL GROUND CREWS
- LOCKING SCREW ON THREADED CAP ENSURES TIGHT FINISH



CUSTOM DESIGNS

MADE FOR YOUR PROJECT

OUR PILE CAPS ARE PART OF OUR COMPLETE FOUNDATION SOLUTION

Because each project is different, we work with your design team to make custom foundation solutions tailored for your project. From the deepest underground soil layers to the point of contact with your structure above ground, we provide the most effective foundation designs on the market!

Our Nelson Stud Pile Caps finish off our helical piers using either a bolted coupler or threaded coupler. Each has their own advantages. No matter what your preference, Pileworks provides the widest selection of piling components to make your complete foundation solution, made to order, delivered to you, at a price that guarantees we're the best fit for your future foundation needs.

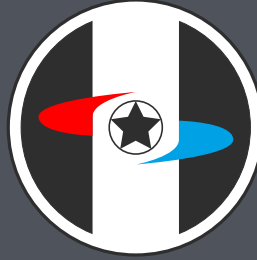
CONTACT US TO GET A **FREE QUOTE** & GET STARTED **TODAY**





**STEEL PILES
PILING PRODUCTS
FOUNDATION SYSTEMS**

Premium Steel. Reliable Results.



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