



TEI INNOVATION

DRIVES OUR POWERFUL ROCK DRILLS

EXCAVATOR DRILL ATTACHMENTS ■ DRILL COMPONENTS ■ LIMITED ACCESS DRILL RIGS

teirockdrills.com | 800-777-3745 or 970-249-1515



TEI DRIFTERS INCORPORATE A BUILT-IN SWIVEL THAT PUMPS THE GROUT DIRECTLY INTO THE POPULAR HOLLOW BAR SYSTEM

TEI INNOVATION DRIVES OUR POWERFUL ROCK DRILLS

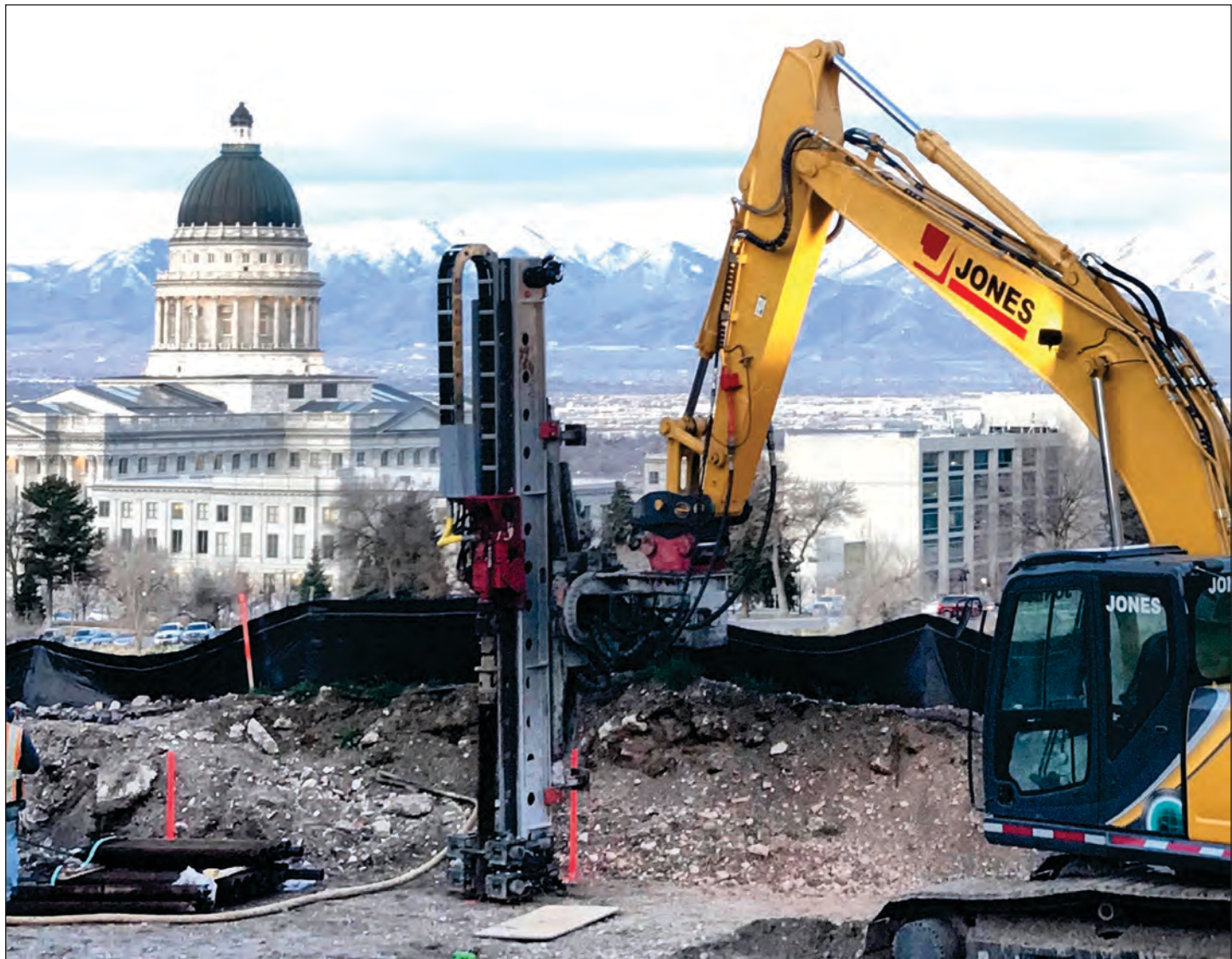
TEI Manufactures the Construction Industry's Leading Excavator Rock Drill Attachments.

TEI Rock Drills, Inc. is an industry-leading manufacturer of high performance excavator drill attachments, drill components, and limited access rock drill rigs. Our unique drilling platform incorporates innovative TEI drilling technology with the construction industry's most rugged soil and rock drilling components. TEI rock drills are hard at work in soil nailing, micropiling, mining, and tunneling job-sites worldwide.

Our excavator rock drill attachment is the most versatile soil and rock drilling platform available for ground improvement, earth retention, quarries, mines, and other

geotechnical applications. The patented TEI system combines either a hydraulic drifter or rotary head with an advanced feed system that produces unequalled drill power from our tough, lightweight drilling platform.

TEI provides extraordinary customer support and maintains an extensive catalog of new equipment and replacement parts. The acclaimed TEI Hollow Bar Installation School, Hollow Bar seminars, and on-line drilling resources are available to geotechnical professionals worldwide.



SALT LAKE CITY, UTAH - TEI HEM DRILL ATTACHMENT



TEI EXCAVATOR ATTACHMENT IN USE FOR SOIL NAILING PROJECT

TEI PLATFORMS AND COMPONENTS

Producing Quality Performance and Efficiencies Unique in the World's Construction Markets.

TEI's quality drilling equipment is the contractor's first choice for soil nailing and micropile projects. Our excavator drill attachments, rock drill components, and limited access drill rigs are preferred by the construction industry for the most rugged soil and rock drilling operations.

TEI drilling equipment is hard at work in earth retention, foundation development, mining, and tunneling jobsites worldwide. We also field an experienced team of drilling

equipment professionals in the geotechnical construction market.

The installation of solid and hollow bar soil nailing provides stabilization for a myriad of earth retention problems. The TEI platform is engineered to offer drilling performance and efficiencies that improve the integrity of the surrounding soil while reducing the project schedule and cost.



ROCK REMOVAL FOR AN ARTISTIC SCULPTURE APPLICATION

TEI EXCAVATOR ATTACHMENTS



HEM WITH DUAL 360° SWIVEL POSITIONERS

TEI rock drilling attachments are the most versatile excavator drilling platforms available for ground improvement, earth retention, and rock drilling applications. Our patented system combines TEI drifters featuring Automatic Stroke Adjustment (ASA) or rotary heads with an advanced feed system that produces unequalled drilling technology for soil nailing, micropile, and mining operations.

HEM Hydraulic Excavator Mount

The HEM (Hydraulic Excavator Mount) is the most popular drilling attachment manufactured at TEI Rock Drills. The stable excavator base with long boom combine to form an excellent drilling platform. The HEM receives hydraulic power from the excavator's hammer circuit; no additional hydraulic plumbing is required. TEI solely uses their patented hydraulic drifters and feed systems to build the HEM.

HEM25ED Hydraulic Extended Excavator Drill

Our extended attachment provides the longest stroke possible while still allowing the drill to be transported while attached to the excavator. The mast offers a 25 ft (7.6 m) stroke with a 15 ft (4.6 m) rod-adder. The rod-adder has a positive grip that keeps the drill rod or auger in place regardless of the drilling angle. The TEI 25 foot Excavator Rock Drill can install a 40 ft (12.2 m) soil nail or micropile with only one operator.

360° Swivel Positioner

The TEI rock drill excavator attachment is ideal for use in difficult low, high, and confined environments where its 360° swivel capabilities offers an extreme range of motion. Additional drill positioning can be provided with the installation of a second 360-degree positioner that will move the drill feed from one side of the excavator boom to the other.

MME Mini Excavator Drill Attachment

TEI manufactures a lightweight drill attachment specifically designed for 3 to 8 ton mini excavators. This advanced drilling platform incorporates many of the same unique and rugged features found on our larger excavator attachments. The TEI Mini Excavator Drill Attachment provides the power required for typical rock drilling applications and is ideal for installing rock bolts, soil nails, and micropiles in residential and limited access areas.



TEI EXTENDED ROCK DRILL ATTACHMENT

MEM Mid-weight Excavator Mount

The MEM is the mid-weight excavator mount for 12 ton to 15 ton excavators. The MEM incorporates many of the same features of the larger HEM drilling attachment. The MEM features the newly redesigned lighter SCF Feed System.

HCM Skid Steer Drill Attachment

The TEI Skid Steer Drill Attachment is designed to maximize the utility of this popular loader. Our Skid Steer Drilling Attachment includes a universal mounting plate that conveniently connects to most skid steer models. TEI's skid steer equipment is available with either our patented hydraulic drifters or the RDS line of rotary heads. This unique drilling platform is capable of most drilling techniques including grouted hollow bar, soil nails and micropiles, as well as augers, coring, rock drilling, and mud rotary applications.

Industry Standard Quick Connects

TEI rock drilling equipment utilizes quick connect technology to conveniently attach to most excavators. This convenient functionality minimizes attachment change-out time. With minimal effort, operators can utilize multiple attachments for a single excavator or share a drill attachment with more than one excavator.

Radio-remote Controls

TEI drilling attachments are radio-remote controlled to give operators a clear line of sight. This allows strategic positioning of the operator to increase safety and minimize silica exposure. Our radio control provides an excellent "feel" to the operator and is lightweight.



MINI EXCAVATOR DRILL ATTACHMENT



MID-WEIGHT EXCAVATOR MOUNT



RADIO-REMOTE CONTROLS



TEI SKID STEER DRILL ATTACHMENT

TEI LIMITED ACCESS DRILLS

TEI manufactures powerful and compact limited access drill rigs providing the drilling contractor with equipment that can meet the most demanding challenges in the most difficult environments. TEI limited access drills are ideal for micropile operations for new foundations and foundation repairs.

TEI manufactures two sizes of electrically powered limited access drills designed to safely and quietly install micropiles

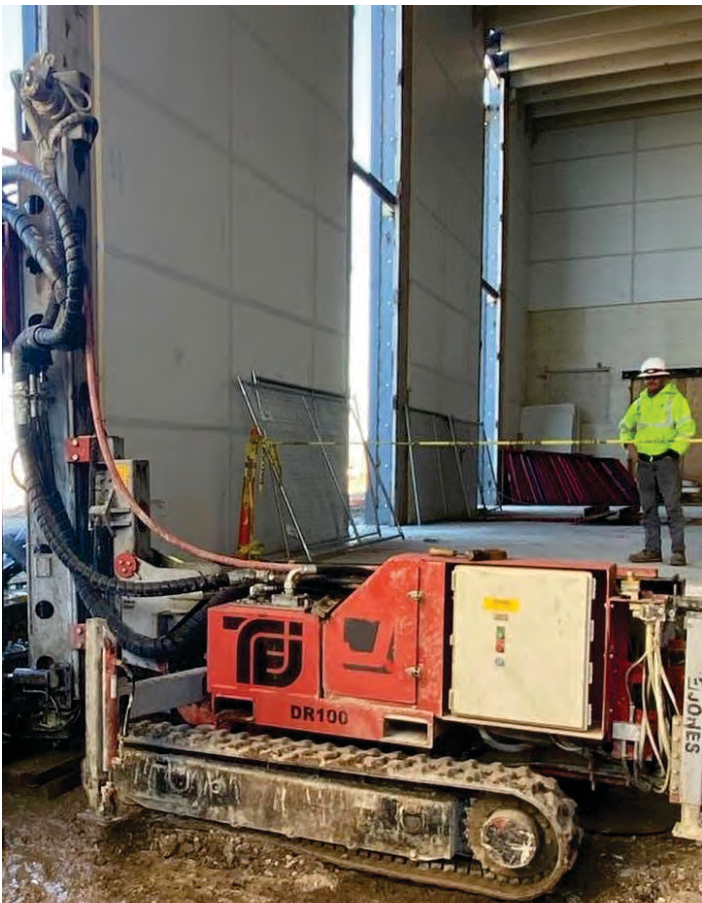
and grout holes. All models of TEI patented drifters or rotary heads can be matched with our TD75 or TD100 electric track drills. This wide range of electric drilling power makes limited access drills perfect for operating through narrow or low entrances/exits, under buildings, or in tunnels and mines. The TEI electric hydraulic track drills are single units only requiring an outside electrical source, this reduces noise and fumes and removes the need for bulky hydraulic hoses throughout the drilling area.



TEI LIMITED ACCESS DRILL RIG

TD75 ELECTRIC TRACK DRILL

- 75HP (56 kW) motor
- 6886 lbs (3123 kg)
- 8-inch DTH
- 10-inch auger



TEI LIMITED ACCESS DRILL RIG

TD100 ELECTRIC TRACK DRILL

- 100HP (75 kW) motor
- 11,480 lbs (5207 kg)
- 12-inch DTH
- 12-inch auger

TEI PORTABLE DRILLING SYSTEMS

MP | MPH Portable Drilling Systems

The MP260 has been a staple of limited access drilling for many years at TEI, with two percussion heads, TE260 and TE260HT and the RDS250 rotary drill this becomes a very versatile tool for every contractor. The ability to install hollow bar/micropiles in any location gives the contractor unlimited possibilities for profit.

The MPH falls between the MP and the PD drilling system and delivers a more robust feed than the MP, ACF feed and will allow the use of the "300" series drill heads along with the "200" series drill heads making the MPH the most versatile portable drilling system on the market.



MAN PORTABLE DRILLING SYSTEM (MP)



TEI PORTABLE DRILLING SYSTEM (MPH)

The TEI Manufacturing Facility is ISO 9001-2015 Certified.
Our company was one of the first to receive this quality designation in North America.

TEI SAFETY EQUIPMENT



WITHOUT TEI DUST SUPPRESSION SYSTEM



WITH TEI DUST SUPPRESSION SYSTEM

Dust Suppression System - DS26851 & DS10851

In 2016, OSHA implemented stricter regulations on exposure to silica dust for American construction workers. These new rules are designed to keep workers safe and outline methods for controlling dust. Dust suppression using water is the most highly recommended method for reducing a worker’s excessive exposure to silica dust.

The TEI Dust Suppression System for rock drills efficiently injects water into the drilling air, reducing dust with up to 97% efficiency. These systems help to comply with local and federal safety regulations regarding respirable crystalline silica.

TEI offers two models of dust suppression systems. Our DS26851 Dust Suppression System is equipped with a 26-gallon water tank and can handle up to 250 psi air pressure. The DS10851 is equipped with a 100-gallon tank and can handle up to 350 psi air pressure. The two systems provide dust suppression for many hours of drill time.

The systems are easy to install, simply connect in-line with the air compressor. The pressure can be controlled to match the flushing pressure, and water flow can be controlled to achieve the optimal water-to-air ratio for your application. Keep your workers safe with one of TEI’s dust suppression systems.



DUST SUPPRESSION SYSTEM - DS26851



DUST SUPPRESSION SYSTEM - DS10851

TEI SAFETY EQUIPMENT

Protective Cage

The TEI drilling attachment is also available with an EU certified protective cover that meets current European equipment standards.



PROTECTIVE CAGE

TEI HCC10X & HCC16X HYDRAULIC CASING SAFETY HANDLERS



INNOVATIVE TEI PIPE AND CASING HANDLERS



The HCC10X Hydraulic Casing Safety Handler Excavator Attachment is designed to meet safety guidelines regarding the handling of drill pipes and casings in field applications. This innovative pipe handler attaches easily and quickly to the excavator stick and auxiliary hydraulics on most 8 ton excavators. The HCC16X Hydraulic Casing Safety Handler Excavator attachment is a true attachment as it does not modify the excavator in any way. It uses auxiliary hydraulics of the excavator.

The HCC16X picks up casing and drill pipe simultaneously, keeping them concentric, with two 360-degree positioners allow the operator to work in both vertical and horizontal planes.

A programmed controller is used for smooth operation under loads. This innovative pipe handler attaches easily and quickly to the excavator stick and auxiliary hydraulics on most 15- 20 ton excavators.

The TEI Hydraulic Casing Safety Handler can grasp a length of drill pipe and casing together from a rack and fully position them over the drill rig. The drill operator can rely on this unique TEI equipment to accurately position the pipe and casing as the tubular material threads into the drill string.

Both Hydraulic Casing Safety Handler Models, help to eliminate the possibility of serious job-site injury caused by hand-turning the drill string when adding pipe and casing.

TEI COMPONENTS

Clamps and Breakers

TEI manufactures a patented single clamp and a clamp/breaker system. Our patent relates to the incorporation of a cam system for the hydraulic cylinders. The use of this innovative cam system makes TEI clamps the most compact system available and the most successful in limited access situations.

- 21,200 lbf of clamping force
- 28,800 lbf of breakout torque
- fits most drill rigs



CLAMP AND BREAKER SYSTEM

Shock Sub

TEI rotary shock subs are designed to prevent metal-to-metal contact between the drill head and the drill string. The hardened rubber inside our rugged shock sub assists in reducing shock in the axial and the torsional plane. This tough TEI drilling component increases the lifetime of all rotary heads by reducing the amount of shock absorbed by the rotary head.



SHOCK SUB COMPONENT

TEI COMPONENTS

Drill Feed Systems Framework

TEI manufactures a variety of drill feed systems (masts) for use as framework for our drilling platform components. TEI feed systems are available with custom mounting plates for TEI drill heads. Our PCF/PCFH chain feeds are shorter with drill travel covering the entire length of the feed. The HCF/HCFH feeds use our patented internal hose reel system, keeping hoses inside the feed and away from the drill rig.



TEI DRILL FEED SYSTEM

- HCF patented hydraulic cylinder feed system
- HCFH patented heavy hydraulic cylinder feed system
- PCF hydraulic chain feed system
- PCFH hydraulic heavy chain feed system
- PCFHT double chain
- PCFHED hydraulic heavy chain feeds with up to 40 ft of travel
- SCF lightest steel feed system
- ACF aluminum chain feed system



TEI FEED RAIL SYSTEM



TEI FEED RAIL SYSTEM

TEI HYDRAULIC DRIFTERS

Our TEI hydraulic drifters feature patented technology that sets our drilling platforms at the pinnacle of power. TEI drifters are designed to provide the power necessary for hard rock mining. TEI hard rock drifters have a compact, low profile design for uses in tunneling, drifting and bolting.

TEI drifters incorporate innovative Automatic Stroke Adjustment (ASA) technology as their percussion system. The high frequency and smooth operation of the ASA system increases productivity and extends the equipment's life cycle well beyond the dated drilling technology employed by many manufacturers.



TEI160

- output power: 12 HP (9 kW)
- hole size: 1"-1 3/4" (25 mm- 45 mm)
- rotation torque: up to 106 lbf-ft (144 Nm)
- weight: 105 lbs (48 kg)
- TEI patented ASA percussion
- high frequency percussion unit



TEI260

- output power: 13 HP (10 kW)
- hole size: 1"-2" (25 mm- 52 mm)
- rotation torque: up to 200 lbf-ft (271 Nm)
- weight: 150 lbs (68 kg)
- TEI patented ASA percussion
- high torque design for hollow bars



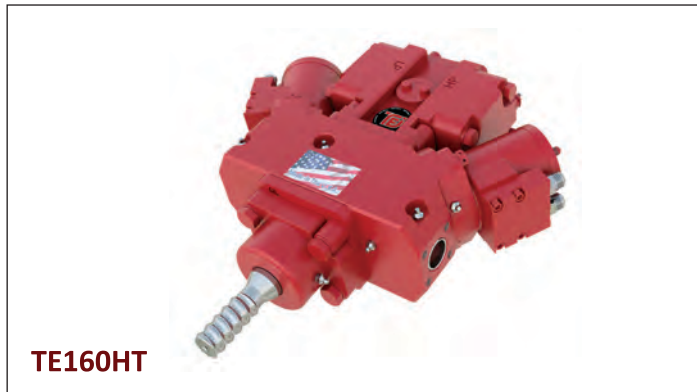
TEI326

- output power: 15 HP (11 kW)
- hole size: 1.5"- 3" (38 mm- 76 mm)
- rotation torque: up to 250 lbf-ft (339 Nm)
- weight: 178 lbs (81 kg)
- TEI patented ASA percussion
- high power to weight ratio

TEI HYDRAULIC DRIFTERS

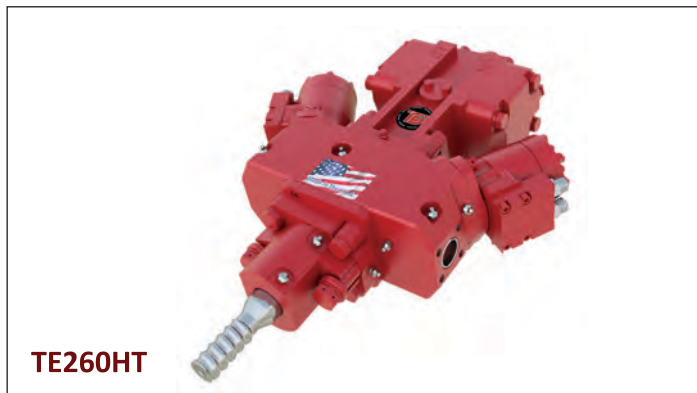
Unlike other manufacturer's equipment, TEI's patented technology only produces full impact energy when the drill string is engaged. When hitting a void or not having enough down pressure on the mast, TEI's advanced Automatic Stroke Adjustment reduces the piston's stroke and frequency, lessening the energy absorbed by the drifter and reducing wear on parts.

The ASA action eliminates the wasted energy caused by "dry firing" or using the percussion system with no rock or soil to absorb the energy.



TEI160HT

- output power: 12 HP (9 kW)
- rotation torque: up to 1000 lbf-ft (1357 Nm)
- weight: 171 lbs (78 kg)
- TEI patented ASA percussion
- high frequency percussion unit
- unique, extremely short design



TEI260HT

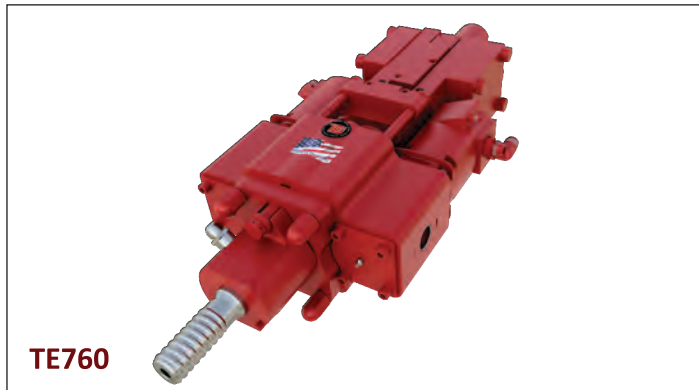
- output power: 13 HP (10 kW)
- rotation torque: up to 1000 lbf-ft (1357 Nm)
- weight: 180 lbs (82 kg)
- TEI patented ASA percussion
- high torque design
- compact design for drifting and tunneling



TEI360

- output power: 15 HP (11 kW)
- rotation torque: up to 1475 lbf-ft (2001 Nm)
- weight: 237 lbs (107 kg)
- TEI patented ASA percussion
- sleek low profile design
- high power to weight ratio

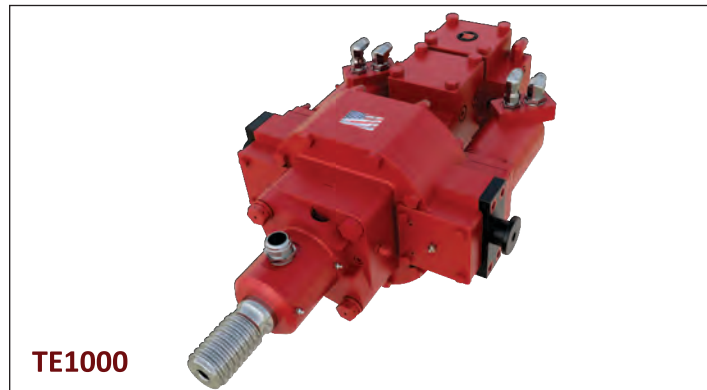
TEI HYDRAULIC DRIFTERS



TE760

TE760

- output power: 30.5 HP (23 kW)
- rotation torque: up to 3000 lbf-ft (4071 Nm)
- weight: 530 lbs (240 kg)
- TEI patented ASA percussion
- high torque hydraulic drifter
- fits most mid-sized anchor rigs



TE1000

TE1000

- output power: 33 HP (25 kW)
- rotation torque: up to 10,000 lbf-ft (13,569 Nm)
- weight: 990 lbs (449 kg)
- TEI patented ASA percussion
- 3 accumulators for smooth percussion
- shortest and lowest profile in its power class
- low pressure snubber cushion

TEI RDS ROTARY DRILL HEADS

TEI Rock Drills manufactures robust hydraulic rotary heads that are designed for smooth operation and simple maintenance in general rotary drilling applications such as

soil nailing and micropile operations. Our RDS heads go through the same rigorous testing procedure prior to delivery as our patented hydraulic drifters.



RDS250

RDS250

Lightweight, compact hydraulic rotary head for man-portable drills and limited access drills.

- rotation torque: up to 1000 lbf-ft (1361 Nm)
- weight: 106 lbs (48 kg)
- optional shock sub
- flange connection or thread output
- 2-speed rotary



RDS350

RDS350

Lightweight, compact hydraulic rotary head for drilling attachments and limited access drills.

- rotation torque: up to 1000 lbf-ft (1361 Nm)
- weight: 106 lbs (48 kg)
- optional shock sub
- flange connection or thread output
- 2-speed rotary

TEI RDS ROTARY DRILL HEADS



RDS550

RDS550

Hydraulic rotary head for drilling attachments and 3 to 6 ton drill rigs.

- rotation torque: up to 5000 lbf-ft (6803 Nm)
- weight: 390 lbs (177 kg)
- optional shock sub
- flange connection or thread output
- 2-speed rotary



RDS1004

RDS1004

Heavy duty hydraulic rotary head for drilling attachments and large drill rigs.

- rotation torque: up to 10,000 lbf-ft (13,605 Nm)
- weight: 784 lbs (356 kg)
- optional shock sub
- flange connection or thread output
- 2-speed rotary



RDS1500

RDS1500

Lightweight, compact hydraulic rotary head.

- rotation torque: up to 15,000 lbf-ft (20,408 Nm)
- weight: 974 lbs (442 kg)
- optional shock sub
- flange connection or thread output
- 3-speed rotary



TEI ROCK DRILLS HEM760 EXCAVATOR ATTACHMENT

TEI CULTURE



HOLLOW BAR SEMINAR AT FOOTHILLS DRILLING EQUIPMENT



TEI BROKK TRAINING AT TEI FACTORY, MONTROSE, COLORADO

TEI employees maintain a culture of pride in our community, our company, and our products. This culture also fosters excellence in our ISO 9001-2015 Certified manufacturing processes and the continuing development of TEI’s patented drilling technology.



TEI - LOCAL COMMUNITY SUPPORT



2023 - TEI AT CONEXPO



TEI AT AMPIS



2023 - TEI OPEN HOUSE



HOLLOW BAR INSTALLATION SCHOOL

TEI QUALITY COMMITMENT

TEI Rock Drills Inc. sustains an ongoing commitment to the highest quality in product development, equipment manufacturing, and customer support. Our ISO 9001:2015 Certification is more than just a declaration of this quality; it also represents our team's determination to be the worldwide leader in rock drilling platforms.

Every American-made TEI product is engineered to the exacting specifications and tolerances necessary to operate at the highest performance levels. This extraordinary drilling power surpasses the limits of typical drilling capacities.

TEI Rock Drills is an industry leader in the manufacture of rock drill excavator attachments, limited access drill rigs, safety equipment, and associated components. All TEI products are created by in-house engineers, uniquely patented, and manufactured in our ISO Certified facility. TEI equipment is proudly made in the USA with American made parts to ensure quality, efficiency, and up-to-the-minute innovation.



TEI ROCK DRILLS ANNUAL HOLLOW BAR SCHOOL



TEI ROCK DRILLS ANNUAL HOLLOW BAR INSTALLATION SCHOOL ATTENDEES IN MONTROSE, CO

TEI'S ANNUAL HOLLOW BAR INSTALLATION SCHOOL

The TEI Hollow Bar Installation Method

Each June, TEI holds our acclaimed Hollow Bar Installation School at our facility in Western Colorado. This event is two and a half days of classroom instruction, field training, and social events. The Hollow Bar Installation School is an excellent opportunity to receive training for yourself or your crews. This annual event is limited to 32 attendees to ensure an excellent experience for everyone.

All classroom instructors are recognized experts in their respective categories. Experienced TEI technicians instruct on TEI drilling equipment and the grout plants are managed by the owners and technicians of their respective companies. The instructor-to-student ratio at the TEI school is one instructor for every two attendees.

Instruction involves all aspects of hollow bar installation. The classroom topics include the TEI method for installation, grouting principles, and case studies from geotechnical contractors using hollow bars. An overview of micropile and soil nail design is combined with step-by-step instructions on how to properly test a hollow bar micropile. Instructors also cover the operation and maintenance of each piece of equipment with an emphasis on troubleshooting mechanical and drilling problems. These copyrighted materials insure the latest advancements in the hollow bar industry.



PD550 PORTABLE DRILL INSTALLING MICROPILES IN A HIGH RISE, BETWEEN FLOORS

Visit the TEI Rock Drills YouTube Channel to view in-depth examples of our innovative drilling platforms, hard at work in difficult and unique construction jobsites worldwide.

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