

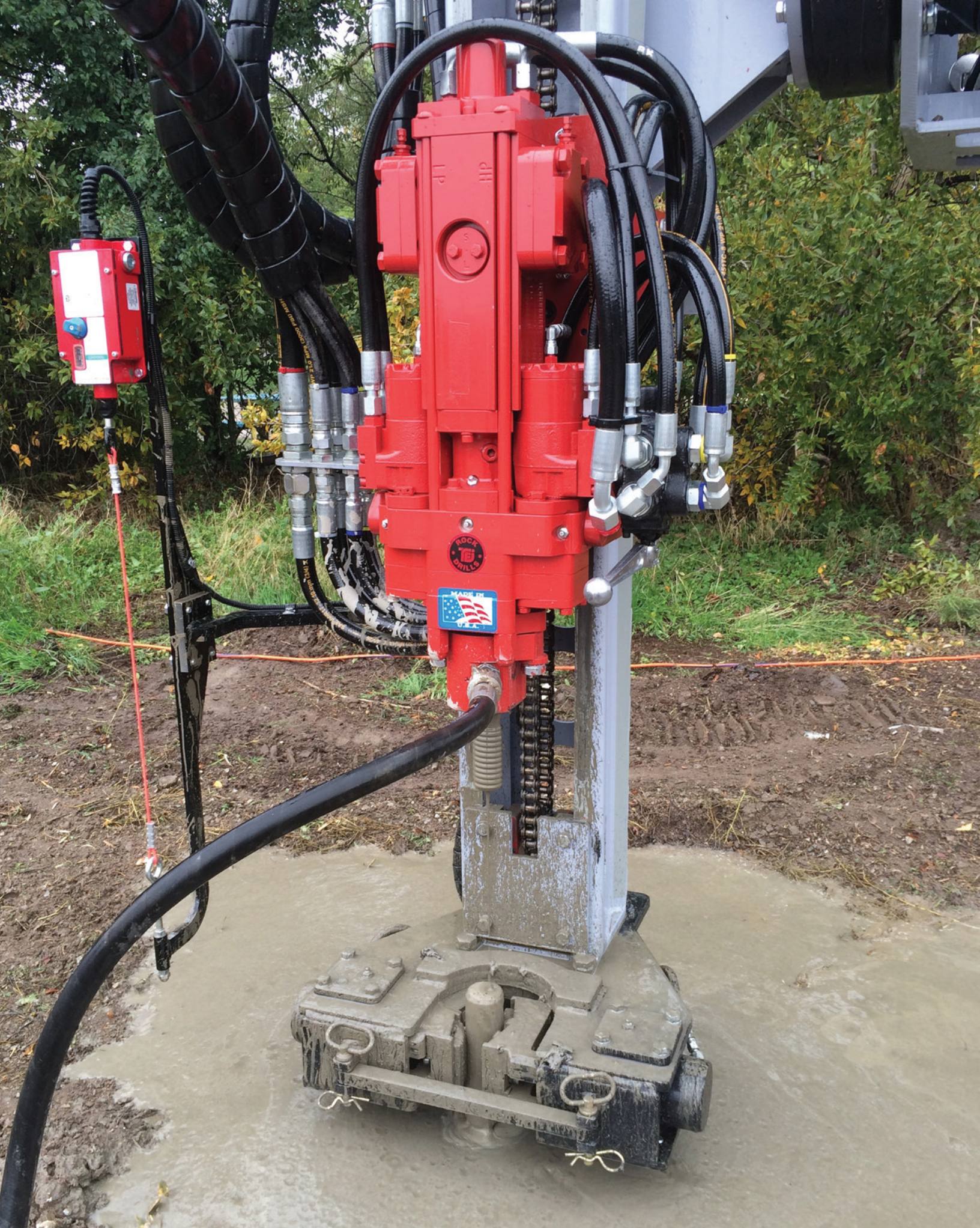


TEI ROCK DRILLS

TEI INNOVATION

DRIVES OUR POWERFUL ROCK DRILLS

EXCAVATOR DRILL ATTACHMENTS ■ DRILL COMPONENTS ■ LIMITED ACCESS DRILL RIGS



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, micropile, mining and tunneling jobsites 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, seminars nationwide and online drilling resources are available to geotechnical professionals worldwide.



TEI HEM DRILL ATTACHMENT.



TEI ROCK DRILLING PLATFORMS and COMPONENTS

Produce quality performance and efficiencies unique in the world's construction markets.

TEI 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 at 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 ROCK DRILL EXCAVATOR ATTACHMENTS



HEM WITH DUAL 360° SWIVEL POSITIONERS



TEI SKID STEER DRILL ATTACHMENT

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 unequaled drilling technology for soil nailing, micropile and mining operations.

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.

ASA Percussion and Rotary Drifters

TEI Rock Drill Attachments accommodate a variety of percussion and rotary options. Our unique hydraulic drifters are driven by a patented internal ASA system that only allows full percussion power when the drill string is engaged. Or choose from TEI's full line of field proven rotary heads for all the power you require.

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, augers, coring, rock drilling and mud rotary applications.

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

Extended Rock Drill Attachment

TEI can reconfigure existing rock drills for use when longer strokes are required. 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 Extended Excavator Rock Drill can install a 40 ft (12.2 m) soil nail or micropile with only one operator.

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 attachment. 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.

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-Directed Controls

The TEI drilling attachment is radio-directed and provides operators with exacting controls and a clear line of sight. Our radio controls provide an excellent "feel" to the operator and the lightweight controller is comfortable enough to wear all day.



MINI EXCAVATOR DRILL ATTACHMENT



TEI EXTENDED ROCK DRILL ATTACHMENT

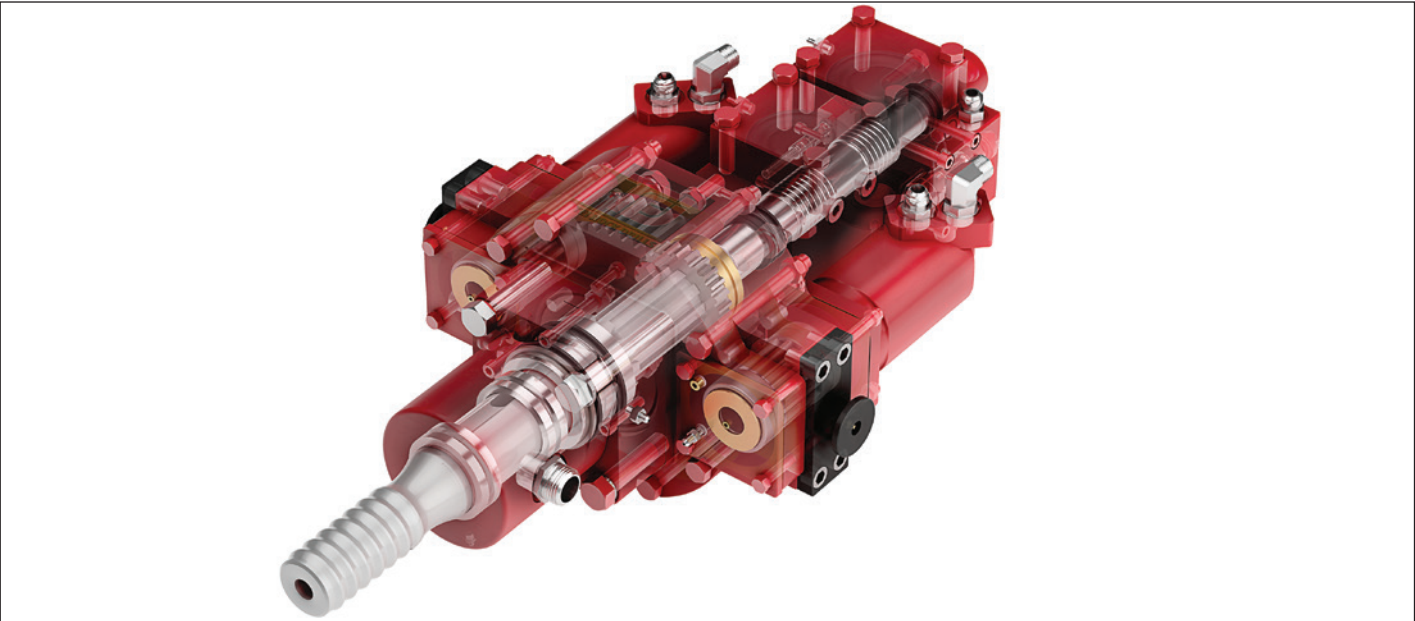
TEI HYDRAULIC DRIFTERS

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 efficient soil nailing, micropile and other rock and soiling drilling applications.

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.

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 premature 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.

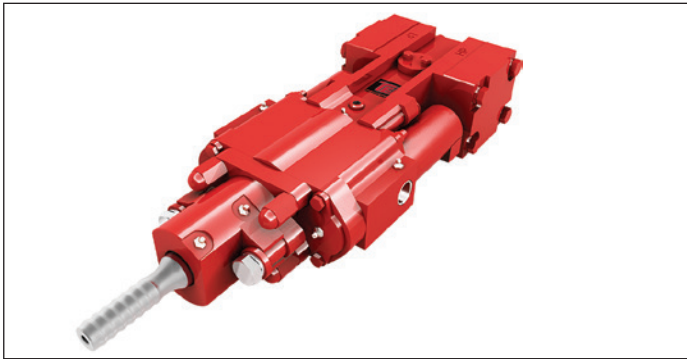


INTERNAL VIEW OF THE TE1000 DRIFTER SHOWING THE PATENTED ASA



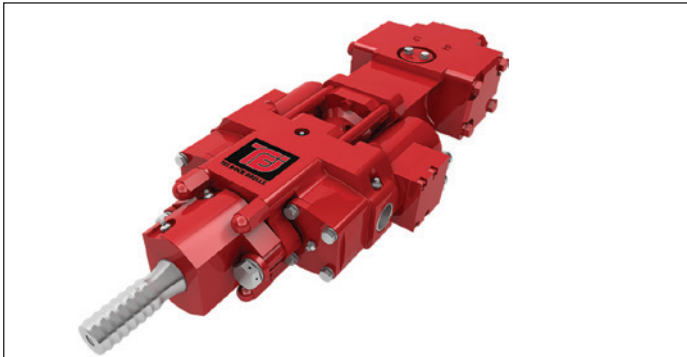
TE160 /TE160HT

- unique extremely short design
- high frequency percussion unit
- vacuum system for roof bolting
- TEI patented ASA percussion
- output power: 7-9 HP (5-7 kW)
- rotation torque: 200-1000 lbf-ft (1361 Nm)
- weight: 105/171 lbs (48/78 kgs)



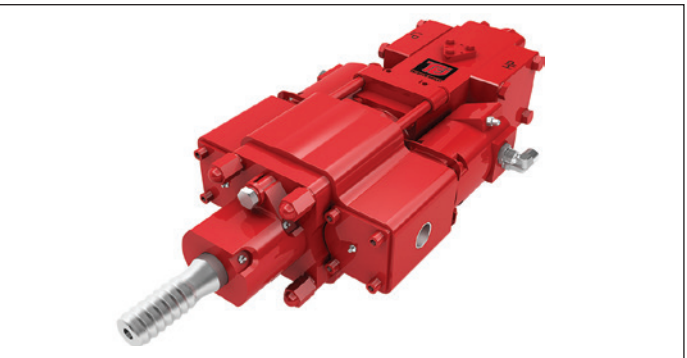
TE260/TE260HT

- high torque design for hollow bars
- compact design for drifting and tunneling
- TEI patented ASA percussion
- output power: 9.85 HP (7.35 kW)
- rotation torque: 200-1000 lbf-ft (273-1361 Nm)
- weight: 144/182 lbs (65/83 kgs)



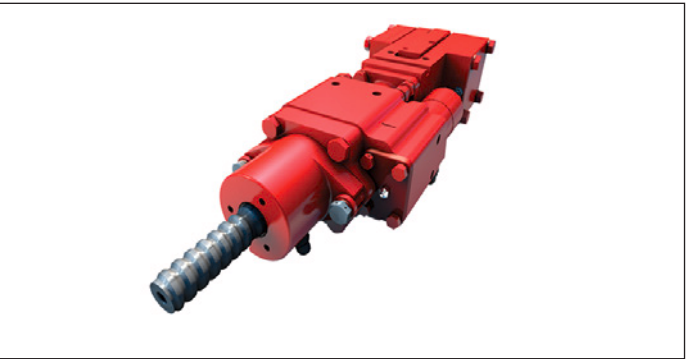
TE360

- sleek low profile design
- high power to weight ratio
- percussion system with ASA
- output power: 12.4 HP (9.22 kW)
- rotation torque: 1800 lbf-ft (2400 Nm)
- weight: 210 lbs (95 kgs)



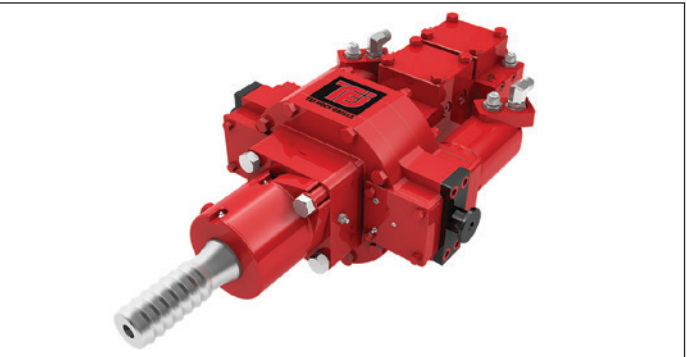
TE560

- high torque hydraulic drifter
- fits most mid-sized anchor rigs
- TEI patented ASA percussion
- output power: 21 HP (15.7 kW)
- rotation torque: 3000 lbf-ft (4000 Nm)
- weight: 544 lbs (247 kgs)



TE726

- Low torque for rock Blastholes
- 2"-4" (52-101mm) hole size
- TEI patented ASA percussion
- output power: 36 HP (38.4 kW)
- rotation torque: 735 lbf-ft (1000 Nm)
- weight: 374 lbs (170 kgs)

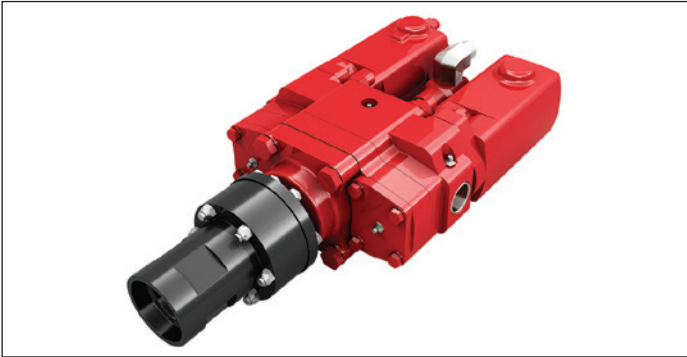


TE1000

- 3 accumulators for smooth percussion
- shortest and lowest profile in its power class
- low pressure snubber cushion
- percussion system with ASA
- output power: 31 HP (23 kW)
- rotation torque: Up to 10,000 lbf-ft (Up to 13,605 Nm)
- weight: 1000 lbs 452 kgs)

RDS ROTARY DRILL HEADS

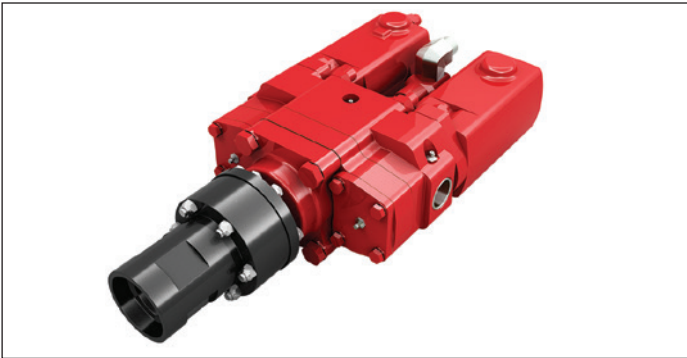
TEI Rock Drills manufactures robust hydraulic rotary heads that are designed for smooth operation and simple maintenance in general rotary drilling applications such as soil nailing and micropile operations. Our RDS heads go through the same rigorous testing procedure prior to delivery as our patented hydraulic drifters. RDS is the industry preferred replacement for under-performing other manufacturer's rotary heads. When in doubt make sure that your rotary head is red.



RDS250

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

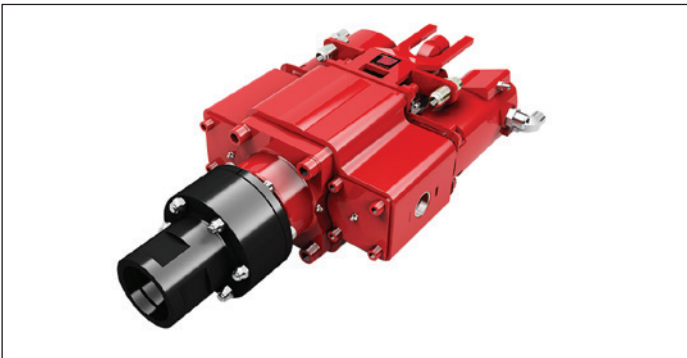
- flange connection
- 2-speed rotary
- optional shock sub
- rotation torque: 1000 lb/ft (1361 Nm)
- weight: 106 lbs (48 kgs)



RDS350

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

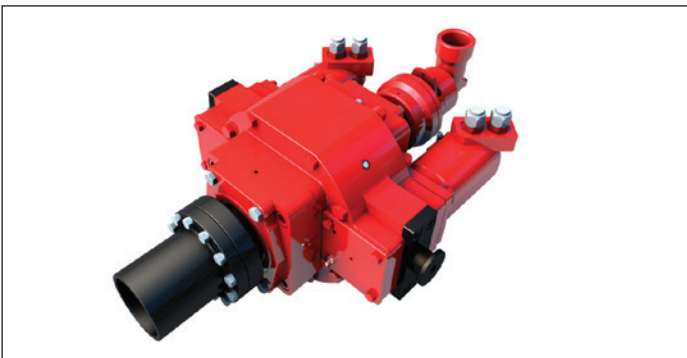
- flange connection
- 2-speed rotary
- optional shock sub
- rotation torque: 2000 lb/ft (2721 Nm)
- weight: 137 lbs (62 kgs)



RDS550

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

- flange connection
- lightweight, compact
- optional shock sub
- rotation torque: 5000 lb/ft (6803 Nm)
- weight: 237 lbs (108 kgs)



RDS1004

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

- flange connection
- 2-speed rotary
- optional shock sub
- rotation torque: 10,000 lb/ft (13,605 Nm)
- weight: 784 lbs (355 kgs)

TEI LIMITED ACCESS DRILLS

TEI manufactures limited access drill rigs that are powerful and compact, 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 for foundations 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 mining applications. The TEI Electric Track Drill requires no separate power pack, reduces noise and fumes and removes the need for bulky hydraulic hoses throughout the drilling area.

TD75 ELECTRIC TRACK DRILL

- 75HP (56 kw) motor
- 6886 lbs (3123 kgs)
- 8-inch DTH
- 10-inch auger

TD100 ELECTRIC TRACK DRILL

- 100HP (75 kw) Motor
- 11,480 lbs (5207 kgs)
- 12-inch DTH
- 12-inch auger

PORTABLE DRILL

The TEI Portable Drill is the smallest drill possible using a feed (mast) system. Anything smaller would be a hand drill. Our unique portable drills are ideal for installing 75 kip micropile, soil nails, rock bolts, coring or hollow bars in the most confined spaces.

- TE160 or TE260 drifters
- RDS250 rotary head
- 450 lbs (204 kgs)



TEI LIMITED ACCESS DRILL RIG



TEI PORTABLE LIMITED ACCESS DRILL RIG

ROCK DRILL COMPONENTS

Hydraulic Power Units

TEI manufactures two sizes of hydraulic power units to supply reliable hydraulic power to our line of portable-drills, drifters and rotary heads. Each power unit has a central pick point for lifting and fork pockets on the side. Each TEI Hydraulic Power Unit has the fuel capacity to remain in use for 8 to 10 hours.

DM360

- supports the 300 series of drifters and rotary heads
- 35 GPM @ 2250 PSI (132 lpm) of hydraulic flow
- 77 HP (57 kw) Deutz Turbo tier III engine
- 2202 lbs (999 kgs) wet weight

DM560

- supports the 500 series of drifters and rotary heads
- 45 GPM @ 2500 PSI (170 lpm) of hydraulic flow
- 100 HP (75 kw) Deutz Turbo tier IV engine
- 2713 lbs (1230 kgs) wet weight

The DM360 and DM560 are available in electric versions.

Drill Feed Systems Framework

TEI Rock Drills manufactures a variety of drill feed systems (mast) 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.

- HCF patented hydraulic cylinder feed system
- HCFH patented heavy hydraulic cylinder feed system
- HCFE66 hydraulic extendable feed system
- PCF hydraulic chain feed system
- PCFH hydraulic heavy chain feed system
- PCFHED hydraulic heavy chain feeds with up to 40 ft of travel
- SCF48X lightest steel feed system
- ACF aluminum chain feed system

Clamps and Breakers

TEI Rock Drills 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

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.



HCC-10 HYDRAULIC CASING SAFETY HANDLER

HCC-10 Hydraulic Casing Safety Handler excavator attachment is designed to meet expected new 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 TEI HCC-10 Hydraulic Casing Safety Handler can grasp a length of drill pipe and casing together from a rack and fully position them vertically or horizontally 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.

The HCC-10 eliminates the possibility of serious jobsite injury caused by hand-turning the drill string when adding pipe and casing.

ROCK DRILL SAFETY EQUIPMENT

Protective Cage

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

Dust Suppression System

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 workers to excessive exposure to silica dust.

The TEI Dust Suppression System for rock drills efficiently injects water into the drilling air, reducing dust by up to 98% to comply with local and federal safety regulations regarding dust and silica. Our TE30851 Misting System is equipped with a 25 gallon water tank that provides dust suppression for 4-8 hours depending on the size of the hole.

Visit the TEI Rock Drills YouTube Channel to view indepth information regarding our innovative drilling technologies hard at work in difficult and unique jobsites worldwide.

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 9001:2008 Certification is more than just a declaration of this quality. It also represents of 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.

THE TEI CULTURE

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. Our team works together in a LEAN workplace environment to create the world's most advanced drilling platform.

TEI Rock Drills, Inc. maintains the construction equipment industry's most advanced rock drill manufacturing facility in Montrose, Colorado. Our world class equipment manufacturing capabilities promote the ongoing product development and exacting fabrication techniques required to produce the construction market's most efficient and rugged rock drilling equipment.

TEI ROCK DRILLS ANNUAL
HOLLOW BAR INSTALLATION SCHOOL

The TEI Hollow Bar Installation Method

Each June TEI Rock Drills holds their acclaimed Hollow Bar Installation School at their 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 34 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 joins 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.



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



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

teirockdrills.com



■ Visit the TEI Rock Drills YouTube Channel to view indepth examples of our innovative drilling platform hard at work in difficult and unique jobsites worldwide.



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