

## The Bay Shore Systems TR Series: Truck, Track or Excavator Mounted Drills Bring Power, Depth and More Flexibility to Your Drilling Fleet

### From Power Line Foundations to Residential Footings, the TR Series is Your Perfect Solution

As a company already responsible for some of the most popular innovations in the drilling industry, Bay Shore Systems has compiled significant data and feedback from drilling contractors to develop the TR Series of drill rigs. Truly the “driller’s drill rig” the TR Series has been carefully engineered by Bay Shore for high performance, reliability and productivity.

### 100% Hydraulic Rotary Means More Up Time and Increased Production

Unlike old-fashioned mechanical rigs, the TR Series is one hundred percent hydraulic. It has no drive line, torque

converter or transmission, and requires no shifting. Operation is smooth and drilling speed is infinitely variable. This will increase your production not only from hole to hole, but over the long term as fewer mechanical parts means less potential breakdowns and increased output.

### Truck Mounted PTO Powered Option Reduces Environmental Impacts and Expenses

In the truck mounted TR, the horsepower necessary to operate the drill is created by the main engine. This relieves you of the burden of additional environmental impact and other associated costs of running a second engine. Plus, since your rig is lighter than alternative equipment, over the road permitting in many cases will not be necessary. The TR Series is tough enough to get the hard jobs, but





# TR Series

TRUCK, TRACK OR EXCAVATOR

TR Series

easy enough on expenses to yield better profit potential on every hole. The TR Series rigs are unmatched in long term return on investment.

## Upper Engines When You Need Them

While many of our truck mounted TR rigs don't have upper engines, your rig can be equipped with an upper engine matched to your power requirements. We have many options from which to select the engine that will give you just the right edge for increased power and productivity.

## Comfortable, Easy Operation

Two simple joystick controls operate the full functionality of the rig. These ergonomic controls are similar to what the operator would use on an excavator. They are easy to learn and, unlike archaic mechanical controls, can be operated for long periods without fatigue. And, the TR Series offers operator placement ideal for maximum working visibility.

Winch management is another added feature of the TR Series. The fully integrated kelly winch requires no extra operator attention or separate controls helping to avoid birdnesting or breaking cables, increase efficiency and boost production.

## You Won't Sacrifice Depth or Torque with the TR Series

This robust series of rigs boasts hydraulic torque from 21,500 ft.-lbs. (29 kN-m) to an unstoppable 200,000 ft.-lbs. (270 kN-m). Not only will your TR rig bring high torque to your job, but you'll be able to use that power to get down as deep as 100 ft. (30 m).

## Get Your TR on Tracks for High Production Requirements

When the pressure is on, the track mounted TR will help get you into high gear. With no outriggers to pull up and reset on every hole, this high efficiency rig will have you busting through your daily production goals time after time. Pick from multiple engine options to make sure you have exactly the right power source you need to cut through the toughest conditions and get the job done on time.

The track mounted option also allows you to customize your base platform for:

- Hydraulic hose reels
- Onboard compressor
- Water storage
- Expanded tool and equipment storage



TR150



TR150



TR 70

We listen.

*"Due to my positive experience with the DH60 LōDril I own, I have just purchased a new TR40 truck rig. Having a truck mounted drill rig in my fleet will greatly add to my drilling capability and I know I can count on Bay Shore to stand beside me and their equipment."* – Steve Usherwood, Southwest Concrete Construction

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### A TR on an Excavator — The Ultimate in Flexibility

When your TR is mounted on an excavator, you'll have the full range of reach and pivot capabilities that come with an excavator. Plus, a full boom will give you the extra reach you need to get over the hole when your competition can't. Just one more way you'll have the flexibility to get the job—and get the job done!

### An Extra Level of Precision

The separate side tilt and mast tilt functions on most TR rigs will help you to set your rig quickly and precisely. Add to that the auto level function available on many TR Series models and your production and shaft quality will be measurably increased hole after hole. You'll breeze through daily production quotas while producing holes that are straight and true.

### Dry Kelly Bar. Simple. Clean. Green.

Whether your TR is configured with a single element or multiple elements you will not need to worry about an old fashioned leaking kelly system that constantly needs maintenance. A TR dry kelly system will give you the capability of a wet stick rig with reliability and confidence.

### Isn't it About Time?

If you're tired of fighting with drilling equipment that hasn't changed in the last 50 years, then you need to look into the TR Series from Bay Shore Systems. Get all the advantage of new technology from a company with decades of drilling equipment experience and a history of innovation. Your TR series rig will give you fast production and great competitive advantages for jobs like these:

- Rock drilling
- Battered or raked holes
- Typical foundation drilling
- Power line and utility foundations

TR40



TR100



TR40





### Custom Options to Make Your TR Series Rig Work for You

- **Truck, Track or Excavator Mounted**  
Whatever option suits your needs, your rig can be mounted to any of these three base units.
- **Kelly Bar Upgrades**  
With three grades of kelly bar material to choose from, you can pick the best material for your budget or your job specific needs.
- **Square Kelly or Round Locking Kelly**  
Traditional square kelly or Bay Shore Systems' unique round locking kelly design.
- **Kelly Winch Upgrades**  
On most models you can upgrade to a larger kelly winch for maximum hoisting capability.
- **Water Tank**  
Onboard water storage.
- **Tool Boxes**  
Convenient, secure storage for your hand tools and other equipment.
- **Umbrella or Cab**  
Protect yourself from the elements and improve your production under adverse weather conditions.
- **Power Line Detector**  
Sounds an alarm when you come close to live power lines.
- **Pressure Washer**  
Easily remove excess dirt and debris from your rig.
- **Utility Version**  
Special options for use in the utility industry including: Single element Kelly, increased side tilt and pole grab.
- **Custom Options**  
Need more options? Bay Shore engineers are ready to hear your requests for custom options and will do everything possible to bring them to you.



TR70



TR150

### TR Specifications

Specification	Units	TR20	TR30	TR40	TR70	TR80	TR100	TR150	TR200
<b>Max. Rotary Torque</b>	ft-lbs kN-m	21,500 29	30,000 40	43,000 58	70,000 95	80,000 108	100,000 135	150,000 200	200,000 270
<b>Max. Kelly Winch Line Pull (first layer)</b>	lbs kN	12,000 53	18,000 80	25,000* 110*	25,000 110	30,000* 130*	30,000 135	40,000 180	50,000* 220*
<b>Hole Diameter<sup>1</sup></b>	in mm	48 1,200	60 1,500	84 2,100	108 2,700	108 2,700	144 3,650	168 4,200	168 4,200
<b>Drill Speed Range<sup>2</sup></b>	RPM	30/60/100	40/100/140*	30/60/100	30/60/100	30/60/100	10/30/100	10/30/100	10/30/100
<b>Max. Hole Depth<sup>3</sup></b>	ft m	80 24	60 18	70 21	80 24	80 24	100 30	80 24	100 30
<b>Truck GVRW</b>	lbs kg	50 22.5	60 27	60 27	79 35	N/A N/A	N/A N/A	N/A N/A	N/A N/A
<b>Truck GVW</b>	lbs kg	45 20	50 22.5	50 22.5	66 30	N/A N/A	N/A N/A	N/A N/A	N/A N/A
<b>Excavator Weight<sup>4</sup> Class x 1000</b>	lbs kg	35-50 15-22	50-65 22-29	50-65 22-29	70-95 32-43	70-95 35-45	75-100 35-45	100 45	145 65
<b>Truck Mount Max. PTO Power</b>	HP kW	200 150	200 150	200 150	200 150	N/A N/A	N/A N/A	N/A N/A	N/A N/A
<b>Max. HPU Engine Power</b>	HP kW	180* 135*	250* 185*	250* 185*	250 185	250 185	300 220	350 260	400 300

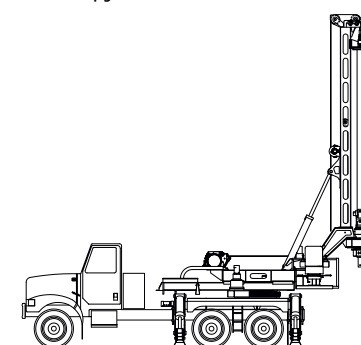
<sup>1</sup> Dependent on ground conditions, tooling and operation

<sup>2</sup> Dependent on hydraulic system

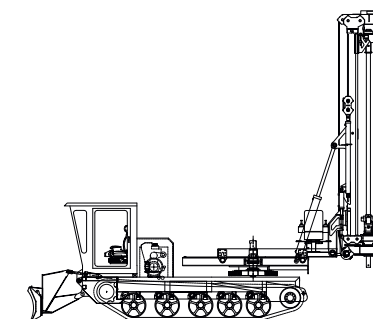
<sup>3</sup> Dependent on configuration

<sup>4</sup> Excavator modifications may be required or anticipated

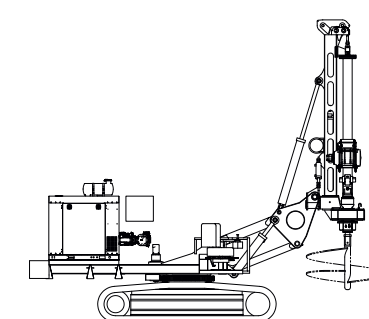
\* With upgrade



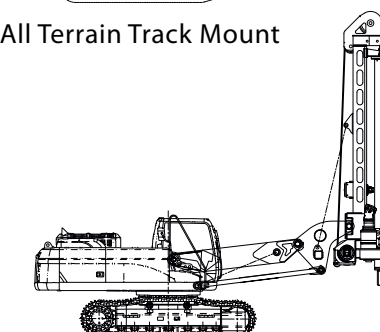
Truck Mounted



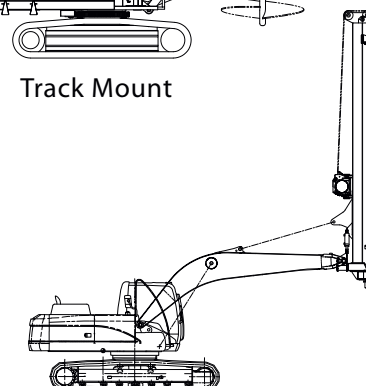
All Terrain Track Mount



Track Mount



Parallelogram Mounted



Boom Mounted