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For Immediate Release

ICON's Full Line of Pilot Tube Microtunneling Equipment Provides Solutions for Pipe Installation on Line and Grade

East Brunswick, New Jersey – ICON Tunnel Systems offers a full line of Bohrtec pilot tube microtunneling systems that consist of 10 different machines with the ability to install pipes with outside diameters from 4” to 55”. The pilot tube line offers jacking forces ranging from 35,070.2 lbf up to 708,148 lbf and a Digital Theodolite guidance system to help utility contractors complete trenchless pipe installations within a 1” line and grade tolerance.

Each pilot tube machine offers individual control levers that allow the operator three movement options: forward, reverse and a rotational movement. For ease of monitoring and recording the machine's operation throughout, hydraulic gauges are mounted in the operator's line of sight, above the individual control levers.

The Compact line consists of four models, the BM150D, BM150DT, BM400 and the BM500, which are perfect for inner-city work as they require smaller jacking pits and can also be used in circular shafts and larger pipes for dead end drilling applications. The BM400 model can be used in conjunction with an auger boring rig for up to 500' drive lengths.

Specifications	BM150D	BM150DT	BM400	BM500
Jacking Force	56,202.24 lbf	35,070.2 lbf	224,808 lbf	359,694 lbf
Torque	2,950.24 lbf	2,950.24 lbf	8,850.73 lbf	17,701.46 lbf
Minimum Pit Size	5' L x 4' W	3.93' Diameter	7' Diameter For a 1 Meter Pipe	10.5' Diameter For a 1 Meter Pipe
Maximum Pipe O.D.	12"	12"	24"	42"

The Long Frame line was designed for projects that required larger pipe diameters and longer drives. This line consists of the BM400LS, BM600LS, BM800L and the BM800LS that are capable of drive lengths up to 394 feet. Expansion legs can be added to these units in order to install up to 50' long pipes.

Specifications	BM400LS	BM600LS	BM800L	BM800LS
Jacking Force	300,000 lbf	539,541 lbf	708,148 lbf	708,148 lbf
Torque	14,751.22 lbf	21,020 lbf	36,878 lbf	66,380 lbf
Minimum Pit Size	7.38' L x 5' W	11.48' L x 6.03' W	12.63' L x 7.05' W	12.63' L x 7.05' W
Maximum Pipe O.D.	36"	48"	55"	55"

ICON's Long Compact line, the BM400LSC and BM600LSC have adjustable frames allowing for setup and operation in small and large jacking pits. This line can install up to

48” O.D. pipe in as little as a 12’ round shaft or square pit. Expansion legs can also be purchased for these units as well in order to install up to 50’ long pipes.

Specifications	BM400LSC	BM600LSC
Jacking Force	449,617 lbf	562,022 lbf
Torque	21,020 lbf	36,878 lbf
Minimum Pit Size	10’ Diameter For a 1 Meter Pipe	12’ Diameter For a 1 Meter Pipe
Maximum Pipe O.D.	36"	48"

ICON supplies each of the pilot tube machines with a hydraulic power pack. Power Packs for the various pilot tube models range from 67 hp to 214 hp depending on the machine chosen for maximum production. These power packs offer a diesel engine and variable speed with silencer built in. Each system will provide hydraulic flow of 0 to 34.8 gpm and up to 5,000 psi working pressure.

The power pack is set away from the pilot tube machine outside of the pit and is connected by hydraulic hoses. The power pack is operated from the machine in the jacking pit, using a remote control. This allows the operator to control the power pack and engine functions safely from inside the jacking pit.

ICON also offers a number of pilot tube accessories and services such as water auger, large diameter extension kits, various casing and auger sizes and small and larger diameter pilot tubes as well as the Front Steer Boring unit which allows for boring through stiff 2,900 psi soil and their new Pullback Expander, which gives the pilot tube the ability to install HDPE pipe on line and grade.

Services include design and pre-bid consultation, rental purchase options, pilot tube operations, post-purchase training and parts and service.

ICON's entire line of Bohrtec pilot tube equipment can be equipped with a laser guidance system that includes a digital theodolite camera and CCTV. This device is the center of the Bohrtec pilot tube system and allows operator to view the illuminated LED target on the CCTV monitor ensuring that the drive will be on line and grade, saving the contractor time and money on the job.

Since 1982, ICON has steadily grown in technology and expertise to become a full-service trench shoring and pilot tube guided boring company and industry-leader in underground construction projects. ICON has the in-house resources to handle projects of any size in any location across North America and provide a comprehensive line of services that include consulting, design, engineering, manufacturing and distribution, leasing and equipment rentals.

For more information about ICON Tunnel Systems and their full line of Bohrtec pilot tube microtunneling equipment, please visit www.icontunnelsystems.com or call 800-836-5011.

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