



HYDROBURST® HB175

175 TON STATIC PIPE BURSTING SYSTEM



Introducing the HydroBurst HB175 with the Highest Pulling Tonnage in its Class
With 50 more tons of pulling force than its predecessor, the new HYDROBURST HB175 has the muscle to replace potable water, sewer and gas lines as large as 24" (600 mm) yet the versatility to replace pipes as small as 8" (200 mm).

Unites Brute Force with Productivity

High productivity leads to increased profits. The HB175 was designed with production in mind. In average soil conditions, a 400 foot job takes as little as two hours to complete including rod payout and pullback. Features like the rod lock vise prevent production loss from rod rebound. Standard rod spinner and onboard rod storage make bursting with the HB175 a one man operation.

Hydraulic Stabilizers

As conditions change during a burst, seven hydraulic leveling, lateral and rear jacks can be adjusted to keep the machine on grade and aligned with the existing utility without having to stop the burst and re-shore or level the machine.

Proven Rod Design

The HB175 features a lightweight heat treated alloy rod with an API style joint. This proven design handles thrust loads encountered when pushing around sweeping bends, through encrusted and collapsed lines and long burst lengths.

Rotational Torque Assist

The HB175 is the only pipe bursting machine that combines thrust and rotational torque during payout which allows you to push and rotate through collapsed and encrusted utilities.

Replace Ductile Iron & Steel

When coupled with the line of HammerHead Ductile Slitters, the HB175 can burst even the toughest host pipes including ductile iron and steel.



HAMMERHEAD® HYDROBURST® HB175



DID YOU KNOW?

Pipe bursting is the only trenchless method that can replace the existing pipe with the same size or larger diameter pipe. Using the pipe bursting method reduces potential damage to adjacent utilities by following the existing utility path and reduces social impact while reducing costs associated with utility relocation design.

FEATURES

High Production System

Proven Rod Design

Auto Rod Spinner

Rod Lock Vice

Hydraulic Stabilizers

Burst Ductile & Steel

Versatility

BENEFITS

Simple one man operation, on board rod basket, 22 second rod payout per 39.37" (1 m) rod, two hour calculated burst time for a 400' (122 m) burst, quick set up with hydraulic leveling jacks and rear stabilizer

Lightweight (60 lb/27.2 kg) and easy to load into machine, upset OD feature for rod lock system grip location, torqued joint design for high thrust and pullback capabilities

Quickly spins rods together to form a uniform rod string, provides 800 ft/lbs (1,085 N-m) of rotational torque to rotate through collapsed lines (1,100 ft/lb breakout torque)

Holds rod in place for constant tension on pipe string and shoring, increases production

As conditions change during the burst, four vertical, two lateral and one rear stabilizers are adjusted to keep the machine on grade and aligned with the existing utility

Replace even the toughest host pipes with specially designed slitters are available for a wide array of pipe sizes

From small projects to large, the HB175 has the versatility to replace pipes from 8 to 24 inches (200 to 600 mm)

BURSTING UNIT SPECIFICATIONS

Pipe replacement range - in (mm)	8 – 24 (200 – 600)
Max. pulling force - tons (t)	173 (156.9)
Rig Size L/W/H - in (cm)	130/52/min: 41.5, max: 57 (330/132/min: 105, max: 145)
Minimum Pit Size L/W/H - in (cm)*	130/70/17.5 (330/178/44)
Weight - lb (kg)	8,700 (3,946)
Max. Shuttle Speed**	22 seconds
Spindle/Spinner Torque - ft/lb (N-m)	800 (1,085)
Rotational Speed (RPM)	250
Vertical Stabilizers	Standard Hydraulic
Rear Stabilizer	Standard Hydraulic
Lateral Stabilizers	Standard Hydraulic
Rod Spinner	Standard
On-Board Rod Storage - ft (m)	100 (31)
Rod Diameter - in (mm)	3.5 (89)
Rod Length - in (cm)	39.4 (100)
Rod Weight - lb (kg)	60.0 (27.2)
Engine Manufacturer	Kubota
Cooling System	Water Cooled
Engine - HP (kw)	68 (50.7) @ 2,200 RPM
Pump Flow - gpm (L/min)	43.6 (165) @ 2,200 RPM
Hydraulic Pressure Max - psi (bar)	4,500 (310)
Rig Size L/W/H - in (cm)	82.5/56.0/64.5 (210/142/164)
Weight - lb (kg)	3,200 (1,451)

HYDRAULIC POWER SPECIFICATIONS

*Below pipe center line. **Shuttle speeds: no load, approximately 1 meter of rod.

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TRENCHLESS EQUIPMENT

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