



HYDROBURST® HB100

100 TON STATIC PIPE BURSTING SYSTEM



THE NEW HYDROBURST HB100: GREATER POWER, SMALLER PACKAGE

The new HydroBurst HB100 has 25% more pulling force and a 10% smaller footprint than its predecessor. The 100 ton HB100 has the muscle to replace potable water, sewer and gas lines as large as 16" (400 mm) and compact enough to efficiently replace pipes as small as 3" (75 mm).

EASIER OPERATION

The redesigned controls set a new standard for ease of operation in higher tonnage static pipe bursting machines with only two levers required to control all pipe bursting functions.

PRODUCTIVE PIPE BURSTING

High productivity leads to increased profits. The HB100 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 and 150 feet of onboard rod storage reduces the onsite footprint of equipment and increases efficiency.

PROVEN ROD DESIGN

The HB100 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.

REPLACE DUCTILE IRON AND STEEL

When coupled with the line of HammerHead Ductile Slitters, the HB100 bursts even the toughest host pipes including ductile iron and steel.

PRODUCTIVITY ENHANCING OPTIONS

Optional equipment includes rod spinner that quickly makes and breaks rod joints with 250 ft/lbs of torque and increases overall production. As conditions change during a burst, optional hydraulic leveling 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.

HAMMERHEAD® HYDROBURST® HB100



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

Rod Spinner

Rod Lock Vice

Hydraulic Stabilizers

Burst Ductile & Steel

Versatility

BENEFITS

Simple one man operation, on board rod basket, 16 second rod payout per 39.37" (1 m) rod, two hour calculated burst time for a 400' (122 m) burst

LIGHT WEIGHT (27 lb/12.2 kg) and easy to load into machine, 26.3' (8.0 m) bend radii for projects with sweeping bends, upset OD feature for rod lock system grip location, torqued joint design for high thrust and pullback capabilities

Optional feature quickly spins rods together to form a uniform rod string with 250 ft/lbs (339 N-m) of torque

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

Optional hydraulic vertical stabilizers are adjusted as conditions change during the burst keeping the machine on grade and aligned with the existing utility without having to stop the burst and re-shore the machine

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 HB100 has the versatility to replace pipes from 3 to 16 inches (75 to 400 mm)

BURSTING UNIT SPECIFICATIONS

Pipe replacement range - in (mm)	3 – 16 (75 – 400)
Max. pulling force - tons (t)	98 (88.9)
Rig Size L/W/H - in (cm)	72/35/34* (183/89/86)
Minimum Pit Size L/W/H - in (cm)**	90/53/14.5* (229/135/37)
Weight - lb (kg)	3,138 (1,423)*
Max. Shuttle Speed***	16 seconds
Spindle/Spinner Torque - ft/lb (N-m)	250 (339)
Vertical Stabilizers	Optional Hydraulic
Rear Stabilizer	Standard Manual
Rod Spinner	Optional
On-Board Rod Storage - ft (m)	150 (45.7)
Rod Diameter - in (mm)	2.25 (57)
Rod Length - in (cm)†	35.44 (90)
Rod Weight - lb (kg)†	27.0 (12.2)
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)	4,060 (280)
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

*Specifications do not include optional accessories, contact factory for exact specifications.

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

