

It's user-friendly. And, it's versatile.



Accessory Package
Special Accessory Package that includes a Stepped Nose Cover, Pulling Anvil Cap, PVC Pipe Puller, Lubricator Assembly along with a bottle of Hog-Wash (1-qt.) and a heavy gauge metal accessory Storage Box.



Lubricator Assembly
A continuous acting, in-line lubrication accessory.



Hog-Wash®
Lubricant used in the Lubricator Assembly and in the air line that provides lubrication to the Red-Hog Express and prevents freeze-up during cold weather operation.



Supply Hose Pulling Adapter Assembly
Coupled to the supply hose, the Pulling Adapter Assembly consists of a connector and a threaded chain link. After completion of the tunnel, the supply hose is disconnected from the Red-Hog Express and attached to the Pulling Adapter Assembly which is connected to a Pulling Grip holding a utility service. The utility service is then pulled through the tunnel.



Pulling Grips
Simple attachments for the Red-Hog Express that work on a leverage principle by gripping small I.D. pipe and cable and pulling the I.D. pipe and cable in the forward or reverse directions through the tunnel. Available in 7 sizes: 3/4" to 1", 1" to 1 1/4", 1 1/4" to 1 1/2", 1 1/2" to 1 3/4", 1 3/4" to 2", 2" to 2 1/2" and 2 1/2" to 3".

Model 310 Specifications

Outer Diameter.....	3.1 in.	(79 mm)
Overall Length.....	59 in.	(1499 mm)
Weight.....	77 lbs.	(35 kg)
Working Air Pressure.....	100 psi	(7 kg/cm ²)
Maximum Working Air Pressure..	100 psi	(7 kg/cm ²)
Air Consumption.....	40 cfm	(1.2 m ³)
Air Hose Inside Diameter.....	3/4 in.	(19 mm)
Percussion Rate Per Minute.....	380	
Quarter-Turn Reverse Feature.....	Standard	

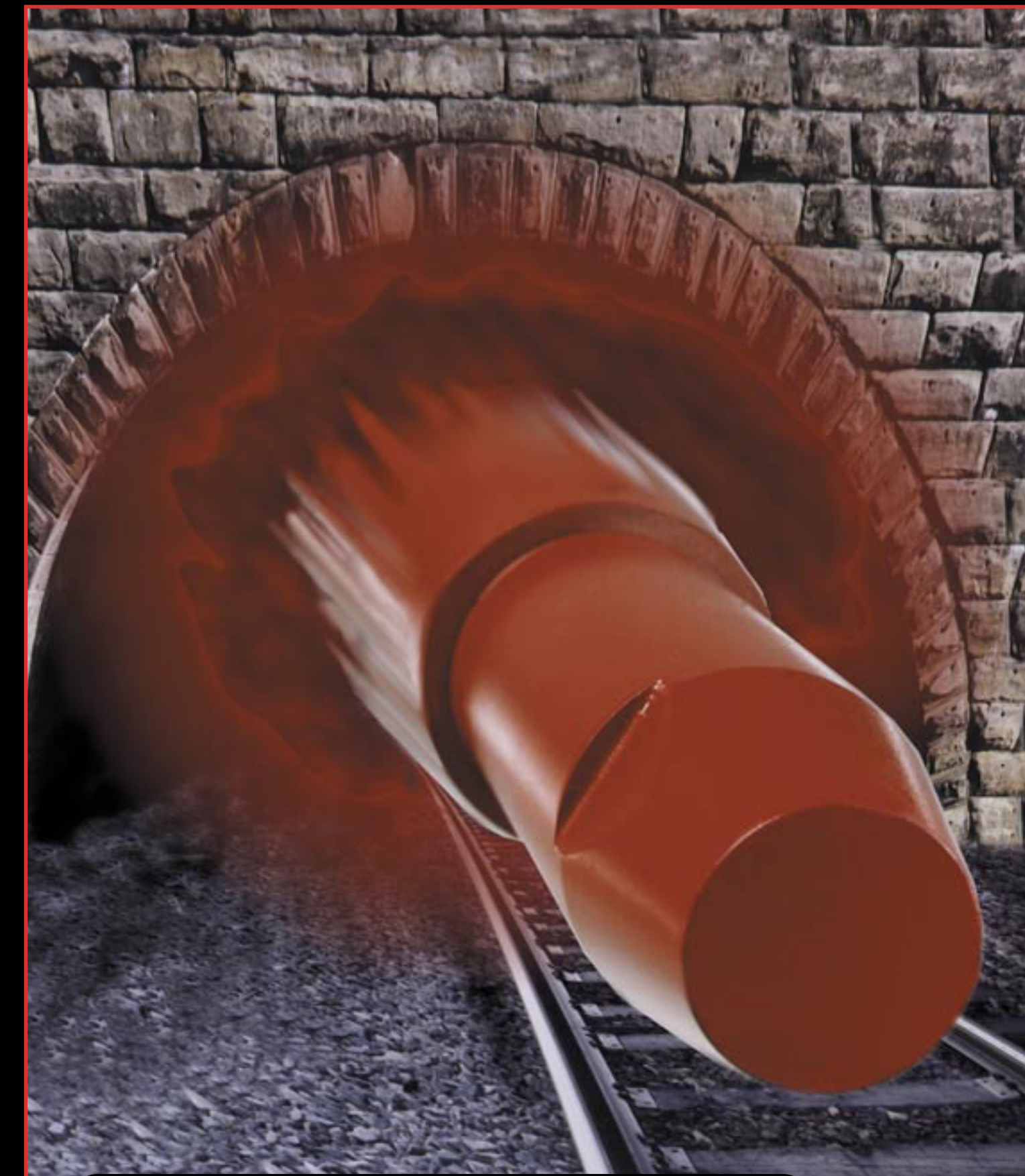


3900 Kelley Avenue, Cleveland, Ohio 44114
Tel: 216-431-2600 Fax: 216-431-2601
e-mail: Sales@AlliedCP.com
website: <http://www.AlliedCP.com>

For sales and service, contact your Allied Distributor:

Allied has a policy of continuous product improvements and reserves the right to change specifications, design or prices any time without obligation.

© Allied Construction Products, LLC Form No. Red-Hog 8/02-5M



The Red-Hog Express™

Allied's Model 310 Hole-Hog®

The Red-Hog Express.™

Allied has developed a new generation of Hole-Hog® underground piercing tools — the Red-Hog Express.

As part of Allied's trenchless underground "railroad", the Red-Hog Express model number 310 has tremendous punching power. This increased punching power means faster penetration speed as a result of its high energy, rapid percussion cycle and carefully designed length-to-diameter ratio.

The new generation model number 310 is versatile. It has standard threaded anvil and tail designs to accept a wide-range of accessories like Pulling Anvil Caps, Nose Covers, Reversible Expanders, PVC Pipe Pullers, Nose Expanders and Cable Puller Assemblies. All of these accessories expand its capabilities, usefulness and cost-effectiveness.

Moving through compressible soils up to four feet per minute, the pneumatically operated Red-Hog Express travels underneath obstructions such as roads, driveways, walks, parking lots, runways and foundations without disturbing existing surface structures and landscaping.

As the Red-Hog Express travels underneath these obstructions, it makes clean, compacted tunnels to lay in your CATV cable, utility service lines, conduit or pipeline. There is no need to disturb existing surface structures and landscaping with open-cutting, trenching or auguring.

In the event of impassable soil conditions, the new generation Hole-Hog has the patented Allied reverse mechanism. Allied's positive-locking quarter-turn reverse not only permits easy change of direction, but will not slip unexpectedly into reverse.

Whether your underground job is tunnelling, pipe pushing or pipe pulling, Allied's trenchless underground "railroad" — the Red-Hog Express — is a perfect match for your job. It enters on-track. It exits on-time.



Reversible Expanders

Mounted on the front of the Model 310 and held in place by either the Tapered Anvil Cap or Stepped Nose Cover, the 4" or 4.5" Reversible Expander increases the diameter of the existing tunnel in the forward operation and allows the unit to be operated in reverse. (4" Reversible Expander pictured)



Nose Expanders

Mounted on the front of the Model 310 and held in place by either the Tapered Anvil Cap or Stepped Nose Cover, the 4" or 4.5" Nose Expander increases the diameter of the existing tunnel in a forward direction only. (4" Nose Expander pictured)

It's non-stop. It's on-time. And, it's fast.



Anvil Caps

Mounted on the front of the Red-Hog Express, the standard Tapered Anvil Cap holds the accessories in place and protects the anvil threads.



The Pulling Anvil Cap replaces the Tapered Anvil Cap to assist in pulling the Red-Hog Express forward when expanding an existing tunnel in difficult soil conditions by using a cable affixed to the pre-drilled hole. Or, it replaces the Tapered Anvil Cap to pull hose, CATV cable or utility service lines in reverse by affixing a wire or Pulling Grip to the pre-drilled hole.



Nose Covers

Mounted on the front of the Red-Hog Express and held in place by the Tapered Anvil Cap, the Smooth Nose Cover protects and extends the life of the front of the Model 310 in abrasive soil conditions.



Mounted on the front of the Red-Hog Express and held in place by the Tapered Anvil Cap, the Stepped Nose Cover is designed to push rocks and roots aside to allow the Model 310 to move forward in a straighter line in rocky soil conditions.



PVC Pipe Puller

Mounted at the rear of the Model 310, the PVC Pipe Puller includes an end cap with a series of set screws that hold a 2" PVC pipe that is pulled behind the Red-Hog Express as the unit moves forward (It is recommended that a pilot tunnel be pierced in the soil prior to pulling a PVC pipe).



Cable Puller Assembly

Mounted on the rear of the Red-Hog Express, the Cable Puller Assembly includes an end cap and cable puller attachment. The Cable Puller Assembly is designed to pull a hose or wire behind the Model 310 during the forward piercing direction.

