

Upsize Tooling - Powered Cutter Head



Part No. FA44400F (Model PCH 36), Part No. FA43400F (Model PCH 44)

- **Designed To Work in 144" Minimum ID or Trenchbox Shafts •**
- **Independent Drives For Rotation & Spoil Removal •**
- **Controlled By GBM Operator In Launch Shaft •**



FEATURES

- The PCH 36 is an upsizing tool to match 36" OD product pipe (30" VCP). Increaser kits available to 44" OD.
- The PCH 44 is an upsizing tool to match 44" OD product pipe (36" VCP). Increaser kits available to 48" OD.
- Independent ports for pipe lubrication reduces jacking forces on pipe.
- Four jetting nozzles to the cutter face increases cutting performance and ease of spoil removal.
- Operates with the 4812A/4800 Series jacking frame and P250D power pack.
- Spoils are discharged to reception shaft.
 - PCH equipped with hydraulic dirt wing to prevent rolling.
 - Uses 16" OD heavy duty thrust casings.
- Designed to work with up to two meter pipe.

SPECIFICATIONS

Assembly Length 91 in. (2,311 mm)
 Two sections may be launched separately

Diameter

Powered Cutter Head Body
 PCH 36 36 in. (914 mm) OD
 PCH 44 44 in. (1,118 mm) OD
 Overcut 1.5 in. (38 mm)

Drive System

Auger Drive
 Max. Torque .. 26,000 ft-lbs (35,250 N·m)
 Max. Speed 38 rpm

Cutterface Power

PCH 36 79 HP (59 kW)
 PCH 44 93 HP (69 kW)

Weight (approximate)

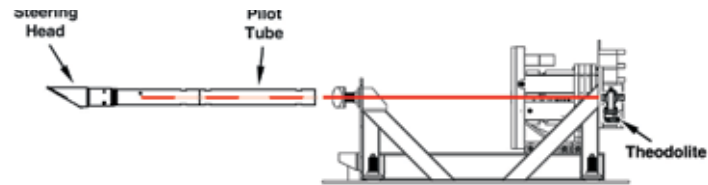
Front Section
 PCH 36 4,300 lbs. (1,955 kg)
 PCH 44 6,500 lbs. (2,955 kg)
 Rear Section
 PCH 36 3,000 lbs. (1,364 kg)
 PCH 44 4,500 lbs. (2,045 kg)



GUIDED BORING METHOD WITH POWERED CUTTER HEAD

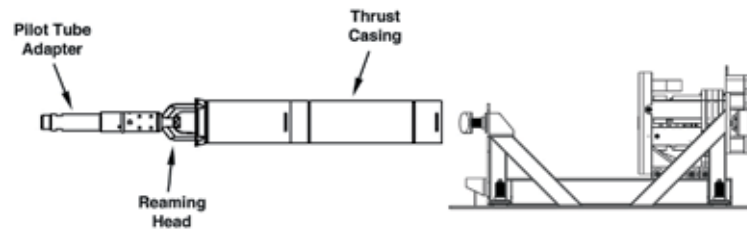
Step 1: PRECISE INSTALLATION OF PILOT TUBES

The first step is the installation of the pilot tube on line and grade.



Step 2: ADVANCING THRUST CASINGS ALONG PILOT TUBE PATH

The second step is to follow the pilot tube with a reaming head, or other upsizing tool and standard thrust casings.



Step 3: INSTALLATION OF PRODUCT PIPE WITH POWERED CUTTER HEAD

In the third step, the powered cutter head follows the thrust casings to increase the bore to match the product pipe diameter.

