

Thrust Frame - 4812A



Part No. FA40034F

- **Designed To Work In 144" Minimum ID Or Trenchbox Shafts •**
- **Independent Jacking, Rotation & Cutter Bit Operation •**
- **Capable Of Installing Pipe up to 48" OD & Two Meters In Length •**



FEATURES

- Assembly consists of the frame, drive swivel adapter, alignment adapter, make up tool, and wrench set.
- Two speed hydraulic operator controlled thrust block advancement.
- One stage operation provides 67 inches (1,702 mm) of continuous thrust block advancement.
- Dual staging operation allows 87 inches (2,210 mm) of thrust block advancement.
- Dual rotation pressure control (0 to 10,500 ft-lbs, 0 to 20,000 ft-lbs).
- Hydraulic pressure gauges for monitoring jacking, auger rotation, and cutter bit system pressures.
- Quick coupler connections with lock for easy and secure hydraulic hose installation.
- Jacking functions 0 to 26 gpm @ 6,000 psi. • Rotation functions 0 to 60 gpm @ 5,000 psi.
- Independent cutter bit function 50 gpm @ 5,000 psi.
- Independent control for hydraulic make-up tool.
- Powered Cutter Head (PCH) hydraulic control package included.
- Four adjustable legs with leveling screws for ease of frame height adjustment and leveling.

SPECIFICATIONS

Dimensions (width x length x height)
..... 84 x 137 x 84 in. (2,134 x 3,480 x 2,134mm)
Assembly Weight..... 19,000 lbs. (8,636 kg)
Staging Position 20 in. (508 mm)
Cylinder Stroke 33.5 in. (851 mm)
Operating Pressure (Max.)
 Jacking 6,000 psi (41,369 kPa)
 Rotation 5,000 psi (34,474 kPa)

Elevation* 39 to 45 in. (991 to 1,143 mm)
* From shaft floor to drive center
Operating Grade (Max.) 10%
Rotational Torque 10,500/20,000 ft-lbs
..... (14,238/27,120 N•m)
 Jacking Force 100/200 Ton (91/181 mt)
 Pull Back Force 100 Ton (91 mt)
Hydraulic Motor Speed 0 - 38 rpm



High pressure valves for jacking and rotation functions. Hydraulic pressure gauges for monitoring thrust, rotation and cutter bit system pressures.



The quick couplers connect to the pressure, return, load sense, case drain hydraulic hoses from the GBM Power Pack, along with the PCH hydraulic hoses.



Low pressure valves for hydraulic make-up tool, push plate brake and staging functions.



Drive Swivel Adapter With Fluid Connector And Alignment Adapter



Four cylinders provide up to 200 ton thrust capacity.



Operator control center for ease of operating and monitoring of system pressures.