

Thrust Frame - 4800 Series



Part No. FA40037F

- **Designed To Work In 156" Minimum ID Or Trenchbox Shafts •**
- **Independent Jacking & Rotation Operation •**
- **Capable Of Installing Pipe up to 48" OD •**



FEATURES

- Assembly consists of the thrust frame, fluid swivel with alignment adapter, jacking psi control valve (for soft rock steering head tooling), make up tool and wrench set.
- Two speed jacking (thrust) advancement control (100 ton [fast], 265 ton [slow]).
- Three speed hydraulic operated rotation control (23, 34 and 50 rpm).
- Dual rotation pressure control (0 to 10,500 ft-lbs, 0 to 26,000 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.
- Dual motor travel function for ease of advancing gear box along the frame.
- Jacking functions 0 to 26 gpm @ 6,000 psi. • Rotation functions 0 to 40 or 60 gpm @ 5,000 psi.
- Independent control for hydraulic make-up tool.
- Hydraulic latching mechanism to advance and retract thrust block assembly.
- Leveling screws for ease of frame height adjustment and leveling.
- Frame skids available; 14', 10', 2' and 12". Combinations of frames can be used for various sized shafts.
- Works with existing GBM tooling (240A/308A/339A/4812A).
- Optional Powered Cutter Head (PCH) hydraulic control package available.
- Thrust frame is equipped with three lift eyes so it can be repositioned 180° without realigning frame.
- Dirt buckets available in 16.5 Cu-Ft and 30 Cu-Ft capacities.

SPECIFICATIONS

Dimensions w/14' Frame(width x length x height)
..... 77.25 x 167.75 x 67 in. (1,962 x 4,261 x 1,702 mm)
Weight w/14' Frame (approx) .13,000 lbs. (5,897 kg)
Latching Position On Center 12 in. (305 mm)
Cylinder Stroke
Standard 40 in. (1,016 mm)
Optional 30 in. (762 mm)
Operating Pressure (Max.)
Jacking 6,000 psi (41,369 kPa)
Rotation 5,000 psi (34,474 kPa)

Elevation* 37.5 to 41 in. (953 to 1,041 mm)
Operating Grade (Max.) 10%
Rotational Torque (Low/High)
.....10,500/26,000 ft-lbs (14,236/35,251 N·m)
Jacking Force 100/265 Ton (91/240 mt)
Pull Back Force 100 Ton (91 mt)
Hydraulic Motor Speed (Rotation)
..... 0 - 23/34/50 rpm
Shaft Installation (minimum) 13 ft (4.0 m)
* From shaft floor to drive center



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



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



Low pressure valves for hydraulic make-up tool, auxiliary and latching functions.



Drive Swivel Adapter With Fluid Connector And Alignment Adapter



Two 40 inch stroke cylinders provide up to 265 ton thrust capacity.



Three thrust frame lift points for ease of repositioning thrust frame.