FLETCHER

Model LTDO  
Single Head Roof Bolter  
with ATRS

- Boom swings and sumps after ATRS is positioned for pinpoint bolting.  
- Bolts in seams as low as 28".  
- Automated Temporary Roof Support System (ATRS).

Fletcher Model LTDO with Automated Temporary Roof Support is designed for high reliability and efficiency in low to medium seam heights. Heavy-duty four-wheel or optional crawler drive provide dependable tramming under all bottom conditions.

**Standard Equipment:**
- Automated Temporary Roof Support (ATRS)
- Automatic Disc Brakes
- Approved Dust Collection System
- Four-Wheel Drive
- In-Line Hydraulic Filters
- JIC or Male Pipe Fittings
- Bolt Torquing Circuit
- Cable Reel
- Panic Bars
- Positioning Controls
- Approved Lighting System

**Features:**
- Boom Swing: 3" (both sides) 76 mm
- Boom Sump: 4" (fore & aft) 102 mm
- Overall Length: 198.5" (25" height) 5042 mm
- 203" (33" height) 5156 mm
- 84" (33" height) 2134 mm
- Overall Width: 25"-33" 635-838 mm
- Overall Tram Height: 6" (25" height) 152 mm
- 9" (33" height) 229 mm
- Ground Clearance: 15,310 lbs. 6945 kg
Model LTDO with ATRS
(33" height depicted)
(separate drawing available of 25" height)

Plan View

Elevation View

General Specifications:

ELECTRICAL SYSTEM: U.S.B.M. permissible 40-hp AC or 28-hp DC motor; panic bars with start switches at all control stations.
DUST COLLECTION SYSTEM: approved internal (through drill steel); blower—rotary lobe type, 62 cfm; vacuum at drill head—10-12" Hg.
HYDRAULIC SYSTEM: max. working pressure—2,500 psi; tank capacity—80 U.S. gallons; filtration—magnetic in-tank, Schroeder return line, hand-operated fill pump; hose fittings—JIC or male pipe.
DRIVE SYSTEM: 4-wheel chain drive, tractor-type steering; turns within length; Char-Lynn 10,000 series motors; automatic spring-set, hydraulic-release disc brakes; tram speed—0.1-1.5 mph; pneumatic tires—24-12x12 (25" height) and 12.1x15x32 (33" height).
DRILLING SYSTEM: continuous feed length—72" (33" height) or 60" (25" height); thrust—0-10,000 lbs.; torque—0-300 ft. lbs.; rotation speed—0-560 rpm; feed rate—0-30 fpm; adjustable bolt torquing valve; boom sump—4" fore and aft; boom swing—3" either side.
SAFETY SYSTEM: ATRS roof support with positioning controls. ATRS reach: 93" (33" height) or 78" (25" height). MSHA-approved illumination system.

Fletcher Options:

Model LTDO can be equipped with a variety of options for specific drilling applications:

- downhole drilling attachment
- rockdruster
- headlights
- hydraulic flow meters
- rear chassis lift
- rotary impact
- hydraulic power takeoff
- dry chemical fire control
- crawler trammage
- floating deck
- remote control tram
- automatic drilling controls
- steecko-type fittings
- foam-filled tires
- high performance blower

Specifically engineered for each customer's needs.

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J. H. Fletcher & Co. cannot anticipate every mine hazard that may develop during use of this product. A roof control plan must be approved by MSHA before use of this equipment begins. Proper use, maintenance and the continued use of (OEM) original equipment parts will be essential for maximum operating results.