Roof Ranger I
Model RR-1
Single Head Roof Bolter

- Automated Temporary Roof Support (ATRS) speeds bolting and increases safety.
- Boom sumps after ATRS is positioned for pinpoint bolting.
- Low-profile (24-1/2" with 6" underclearance) allows bolting in limited seam heights.

Fletcher Model RR-1 Roof Ranger is a versatile, single head bolter which is economical for full production duty or spot bolting. Its low profile, compact design makes it maneuverable in confined spaces.

Standard Equipment:
- Automated Temporary Roof Support (ATRS)
- Automatic disc brakes
- Approved dust collection system
- Four-wheel drive
- Return line hydraulic filters
- JIC or Male Pipe fittings
- Bolt torquing circuit
- Cable reel
- Emergency de-energizing system
- Positioning controls
- Approved lighting system
- Fire suppression system
- ± 4" boom sump
- Deep chuck drill head

Features:
- Boom sump: 4" (fore and aft) 102mm
- Overall length: 15'6" 4724mm
- Overall width: 7' 7-1/2" 2324mm
- Overall tram height: 2' 1/2" 622mm
- Ground clearance: 6" 152mm
- Weight: 15,000# 6750kg
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: internal through drill steel; blower; rotary lobe type, 62 cfm; vacuum at drillhead: 10-12" Hg.
HYDRAULIC SYSTEM: max. working pressure: 2,500 psi; system capacity: 80 U.S. gallons; filtration: magnetic in tank, Schroeder return line; hand-operated fill pump; hose fittings: JIC or Male Pipe.
DRIVE SYSTEM: four-wheel chain type; tractor steering (turns within length); Char-lynn 10,000-Series motors; automatic spring-set, hydraulic-release disc brakes; tram speed: 0-1.5 mph; pneumatic tires — 7.50x10.
DRILLING SYSTEM: continuous feed length: 3'10"; thrust: 0-10,000 lbs.; torque: 0-300 ft. lbs.; rotation speed: 0-560 rpm; feed rate: 0-30 fpm; adjustable bolt torquing valve.
SAFETY SYSTEM: ATRS roof support with positioning controls. ATRS reach: 4'9". MSHA-approved illumination.

Fletcher Options:

Optional equipment on the single-head Root Ranger adapt it to specific mine conditions.

- tram canopy (required by MSHA in seam heights over 42")
- hydraulic power takeoff
- staple lock type fittings
- foam-filled tires
- high-performance blower — 18" Hg
- 60" feed length (increases collapsed height by 2")

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