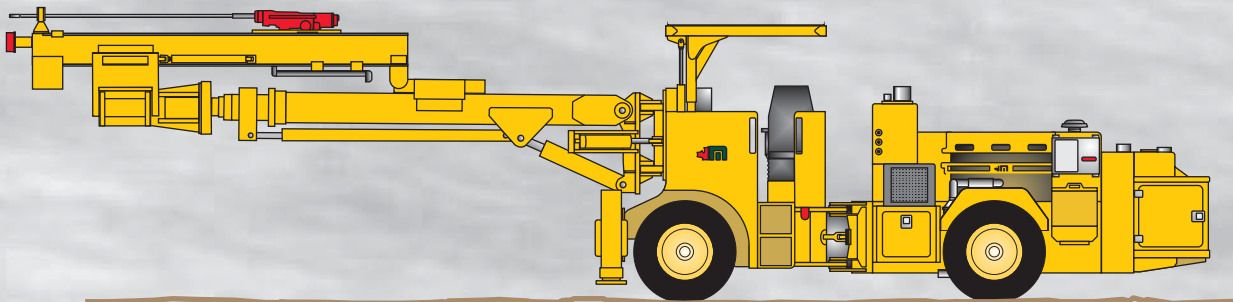




SB-12 Blockholer

Designed to eliminate ore flow blockages and release trapped reserves above the draw point brow safely and effectively.

Rugged, reliable machine built for the tough underground environment. Integration of radio and video with bulk emulsion charging and detonator insertion functions provides the long-awaited solution to attacking high boulder hang-ups without endangering mine workers.



FEATURES:

- Fully self-contained drilling system; no air or water services necessary
- Wireless tramming, drilling and charging controls
- Radio and video system designed for underground environment
- Hydraulic rock drilling
- Heavy duty frame construction
- Both bulk emulsion and pre-packaged explosives delivery systems can be fitted to a single machine.
- High powered electronically controlled engine
- Reliable, proven power train components
- Four wheel drive carrier

BENEFITS:

- Provides safe and effective procedure for the removal of "Hang Up" blockages in drawpoints
- Highly mobile to provide improved productivity
- Eliminates negative effect of concussion blasting on the drawpoint structure
- Maintenance costs of drawpoints reduced
- Reduced cost for air, water and electric services
- Reduced secondary blasting costs
- Ore pass and crusher blasting can be virtually eliminated
- Reduction in LHD maintenance costs
- Better ore grade control
- Total recovery of ore increased

APPLICATIONS:

- Sublevel cave mining
- Block cave mining
- Induced cave mining
- Longhole blasthole mining
- Vertical crater retreat mining
- Pillar recovery blasts
- Radio remote LHD operations

TECHNICAL SPECIFICATIONS

OPERATING SYSTEM - SB-12 BLOCKHOLER

CARRIER- MACLEAN SERIES 955

- Caterpillar™ 3056E diesel engine, 6-cylinder, liquid cooled, 111 kW, EPA Tier II certified, MSHA approved
- Caterpillar™ 928-G Series 3-speed powershift transmission
- Caterpillar™ 938-G Series axles, 16,000 kg capacity, 10° oscillation (front axle)
 - › Independent front/rear hydraulically operated service brakes
 - › Automatic brake application (ABA) with manual re-set
 - › Spring applied, hydraulically released wet disc driveline brake
 - › Braking system to CAN/CSA-M424-3-M90 Standard
- Steering angle 35°; centre articulated; dual hydraulic cylinders; orbital or stick steer control
- Tires: 12:00 x 20 mine-rated, pneumatic or solid
- 24-volt electrical system, 95-amp alternator
- Closed centre hydraulic steering and brake circuit; system pressure 200 bar
- Exhaust (heat shielded) catalytic purifier/muffler
- Air cleaner
- 95-litre fuel tank
- Operator's compartment (open or enclosed cab)
- Speed range (level):
 - 1st gear 6 km/h
 - 2nd gear 10 km/h
 - 3rd gear 20 km/h
 - 15% ramp 6 km/h
- Maximum Grade 20%

OVERALL DIMENSIONS

- Length: 12790 mm
- Width: 2355 mm
- Height -Tramming 2795 mm
 - - FOPS raised. 3100 mm
- Turning radius: Inner 5500 mm
 - Outer 8070 mm
- Shipping weight: 18,200 kg

BOOM AND FEED

- Double extension boom, 3960 mm
- Boom Lift 60°
- Boom swing 30° L/R
- Hydraulic heavy duty chain feed with centralizer
- Feed crowd 600 mm
- Feed actuator 90° L/R
- Feed dump 85°
- 270° hydraulic rollover
- 1700 mm hole depth
- Furukawa HD-90 hydraulic drill and saddle

CONTROL SYSTEM

- Integrated PLC Control System
- 900 MHz radio system

CHARGING SYSTEM

- Feed designed for both bulk emulsion and conventional explosive loading
- Shock tube management system
- Self contained bulk emulsion pumping and priming system

MISCELLANEOUS EQUIPMENT

- Fire suppression system
- Portable fire extinguisher
- Articulation lock bar
- Strobe light
- Tow hooks
- Outriggers (2), 600 x 405 mm stroke
- 650 litre water tank
- High pressure centrifugal water pump
- Engine driven compressor (drill lube)
- Rock drill lubricator

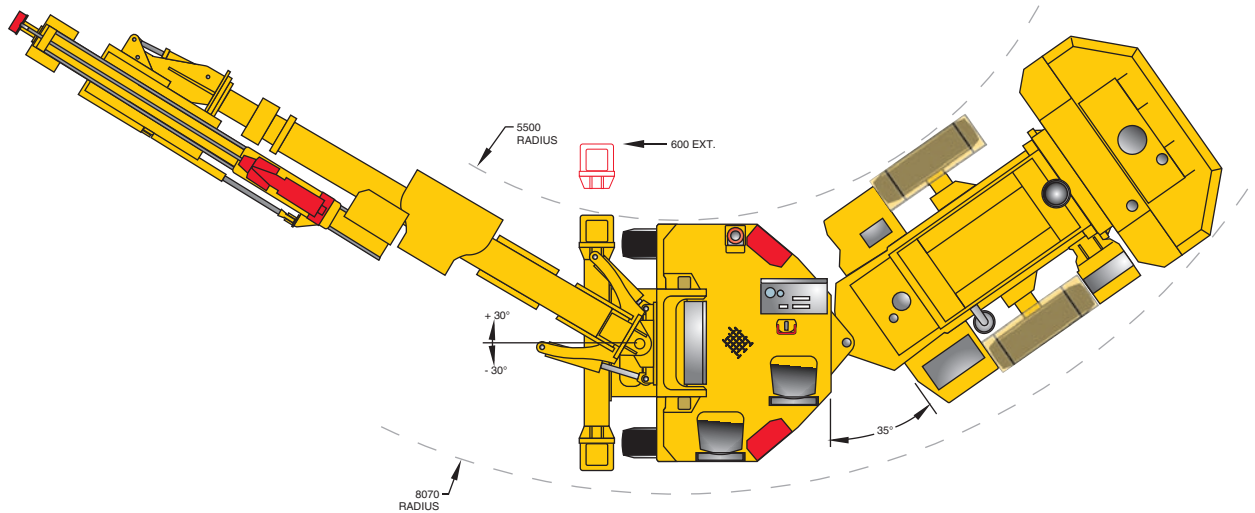
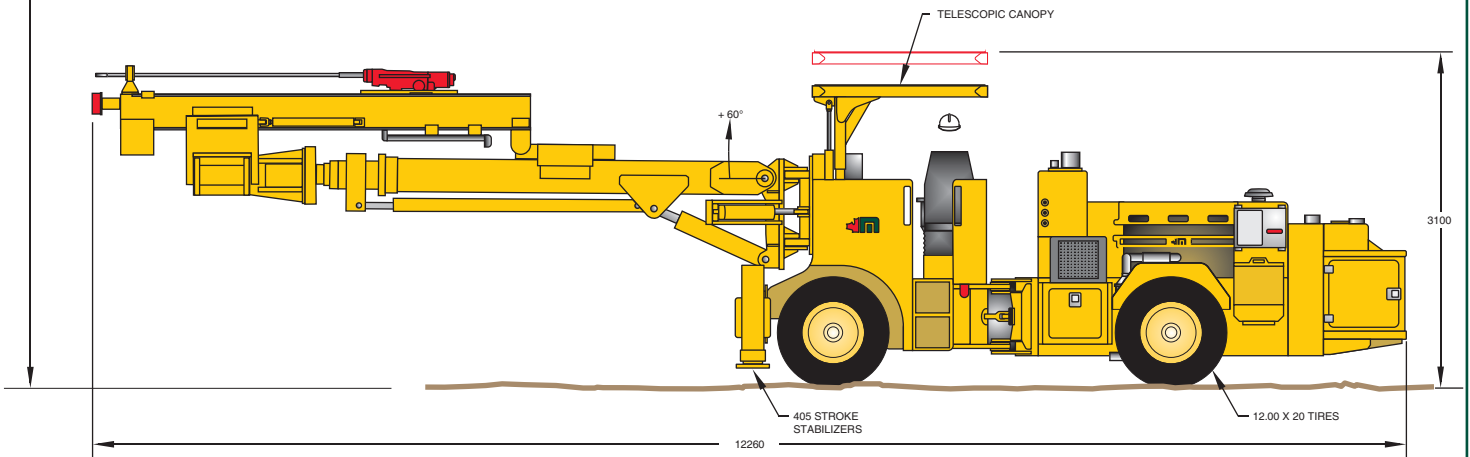
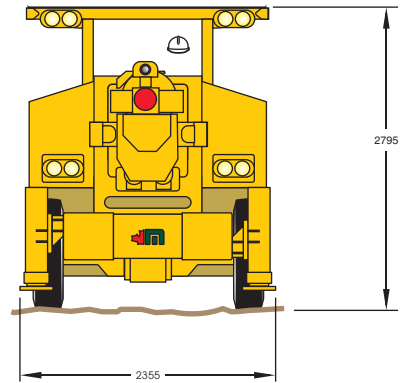
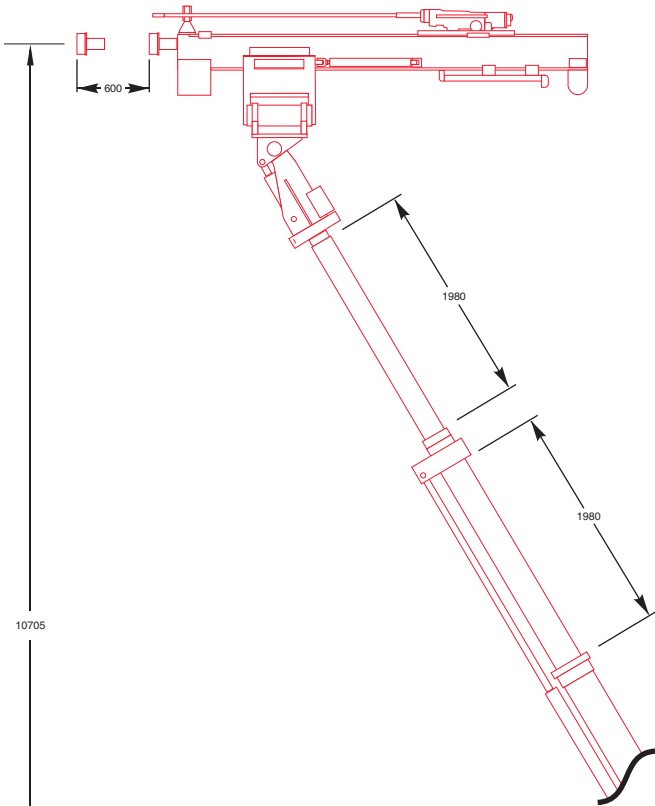
AVAILABLE OPTIONS*

- Certified ROPS (open canopy)
- Telescopic FOPS
- Enclosed cab, heated, air-conditioned (ROPS certified)
- 2400 MHz video system

**All options must be pre-approved by MacLean Engineering & Marketing Co. Ltd.*



SB-12 Blockholer



NOTES



maclean engineering & marketing co. limited

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