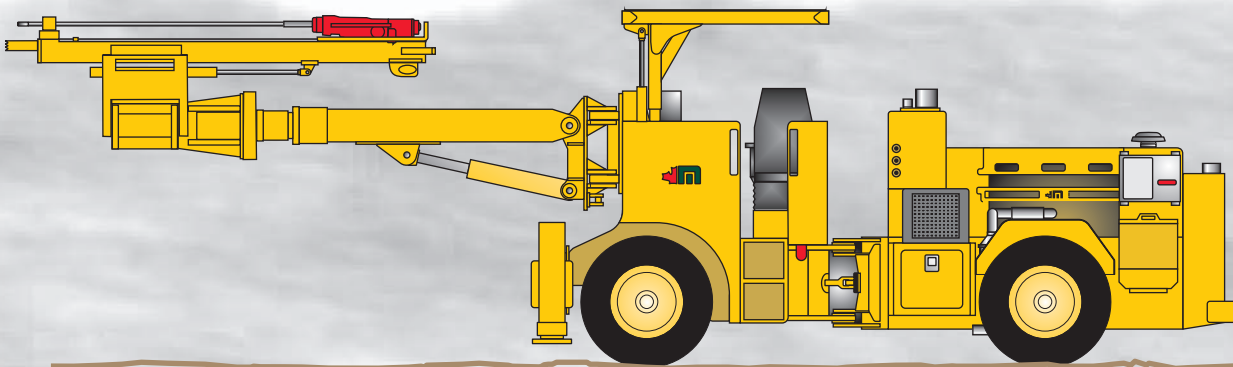




# SB-6 Blockholer

Designed to eliminate ore flow blockages and release trapped reserves in draw points and beyond draw point brows without endangering mine workers.

Rugged, reliable machine built for the tough underground environment. Integrated Radio-Remote Control (RRC) allows tramming, drilling and blasting operations to be conducted from safe haven.



## FEATURES:

- Fully self-contained drilling system; no air or water services necessary
- Optional radio and video system designed for underground environment
- Hydraulic rock drilling
- Heavy duty frame construction
- High powered electronically controlled Caterpillar™ engine
- Reliable, proven power train components
- Four wheel drive carrier

## BENEFITS:

- Oversize is fragmented at source, without damage to draw point infrastructure, and minimizing blockages in the ore flow system downstream
- Boom configuration enables multiple boulders to be drilled from one set up, with all boulders on the sill prepared for end-of-shift blasting
- With RRC system, the Blockholer can drill and charge perilous hang ups in draw points with the operator never exposed to the risks of rock fall.
- Stope area productivity improvements by elimination of non-productive boulder re-handling by LHDs.
- Draw point recovery enhanced, dilution reduced and sequencing maintained for required grade control
- Improvement in LHD maintenance costs and availability
- Provides auxilliary drilling capability for service holes, construction projects, safety bays, rock bolting, &c.

## APPLICATIONS:

- Any underground mine where bulk mining activities generate boulders too large to move, carry, drop through grizzlies or dump into crushers.
- Most effective where multiple draw points allow ore extraction to continue while block hole operations are conducted.

# TECHNICAL SPECIFICATIONS

## OPERATING SYSTEM - SB-6 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 40°; 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 . . . . . 8.5 km/h
- Maximum Grade . . . . . 20%

### OVERALL DIMENSIONS

- Length: . . . . . 11160 mm
- Width: . . . . . 2355 mm
- Height -Tramming . . . . . 2795 mm
- -FOPS raised . . . . . 3100 mm
- Turning radius: Inner . . . . . 5130 mm  
Outer . . . . . 7570 mm
- Shipping weight: . . . . . 14,000 kg

### BOOM AND FEED

- Extendable Boom 1600 mm
- Boom Lift/Dump +48 to -15 °
- Boom swing 30° L/R
- Hydraulic heavy duty chain feed with centralizer
- Feed crowd 600 mm
- Feed dump 85°
- 270° hydraulic rollover
- 1600 mm hole depth
- Furukawa HD-90 hydraulic drill and saddle

### MISCELLANEOUS EQUIPMENT

- Hydraulic proportional controls
- Fire suppression system
- Portable fire extinguisher
- Articulation lock bar
- Strobe light
- Tow hooks
- 650 litre water tank
- High pressure centrifugal water pump
- Engine driven compressor (drill lube)
- Rock drill lubricator

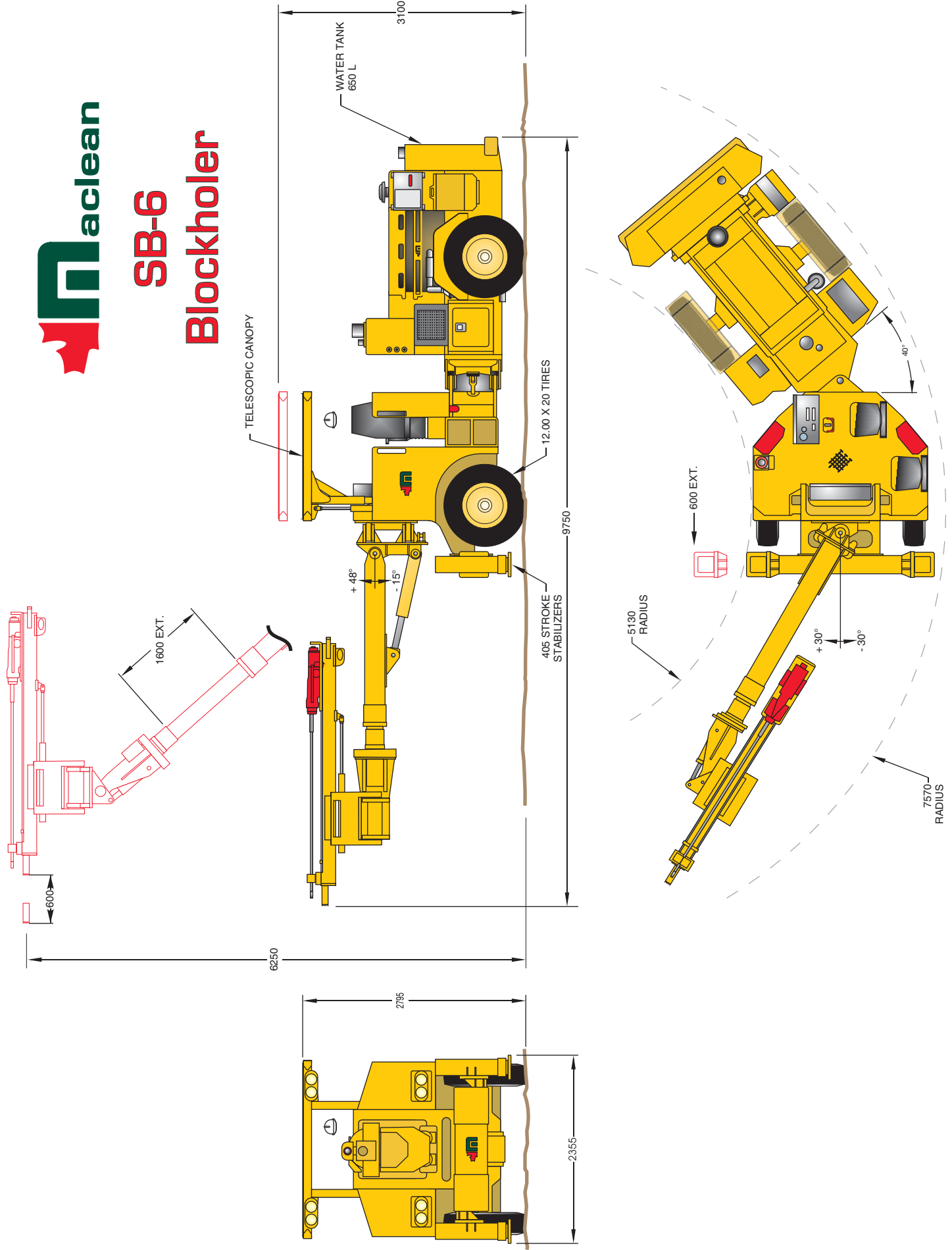
### AVAILABLE OPTIONS\*

- Certified ROPS (open canopy)
- Telescopic FOPS
- Enclosed cab, heated, air-conditioned (ROPS certified)
- Outriggers
- Feed swing cylinder (+- 40°)
- Integrated PLC Control System
- 900 MHz radio system
- 2400 MHz Video System

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



# SB-6 Blockholer



**NOTES**



**Maclean engineering & marketing co. limited**

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