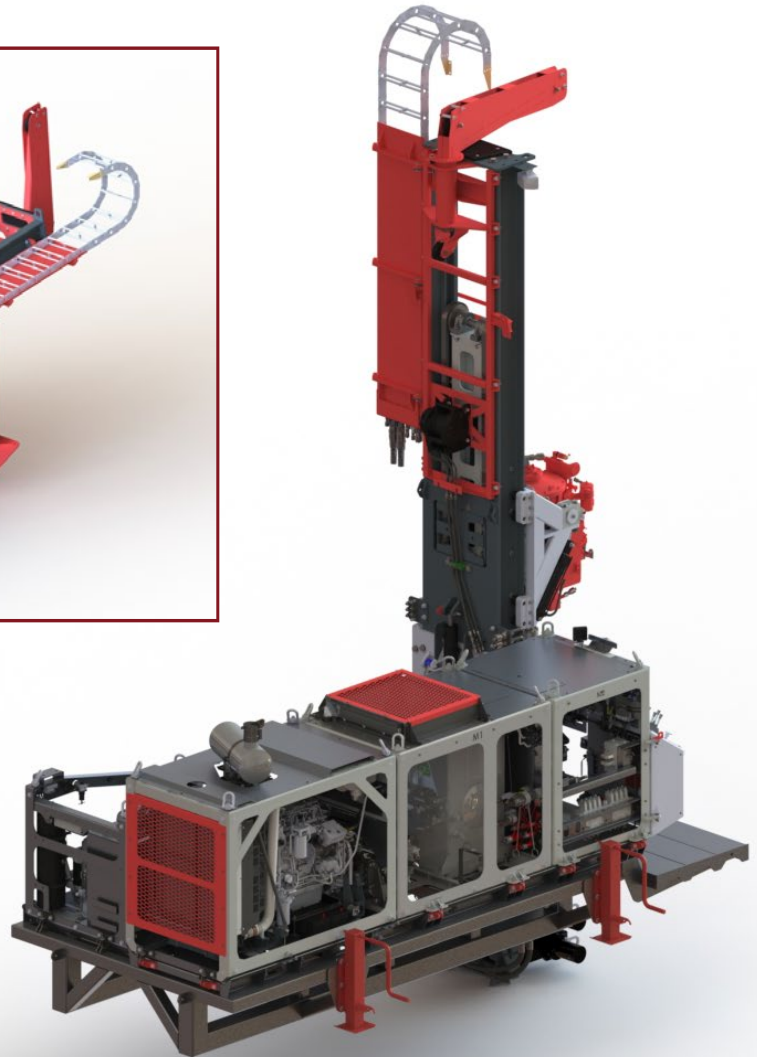




MX-50 MODULAR SONIC DRILL

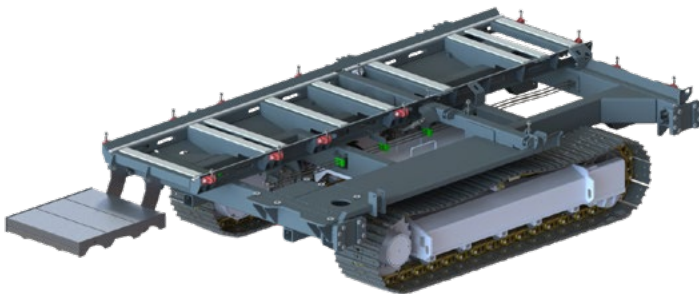
KEY FEATURES:

- 14' / 4.3m stroke feed frame
- 32" mast dump
- 260 HP Cummins Turbo Diesel Engine
- Sonic Head: Output force 150Hz, 50k
- Designed for customized platforms including track, fly, shack, barge, or truck

One Drill / Two Platforms



**MX-50 Modular
Sonic Drill**



Track Platform



Alloy Platform
(Truck, Drill Pad, or Barge Mounting)

DRILL SPECIFICATIONS

SONIC HEAD		Metric		U.S.
DRILL HEAD TYPE		BL-150		
VIBRATION MOTORS		Fix displacement piston motors		
FREQUENCY RANGE		0-150 Hz		
OUTPUT FORCE @ 150 HZ		222 kN		50,000 lbs
MAXIMUM TORQUE		3,600 Nm		2,700 ftlb
ROTATION SPEED		0-70 RPM		

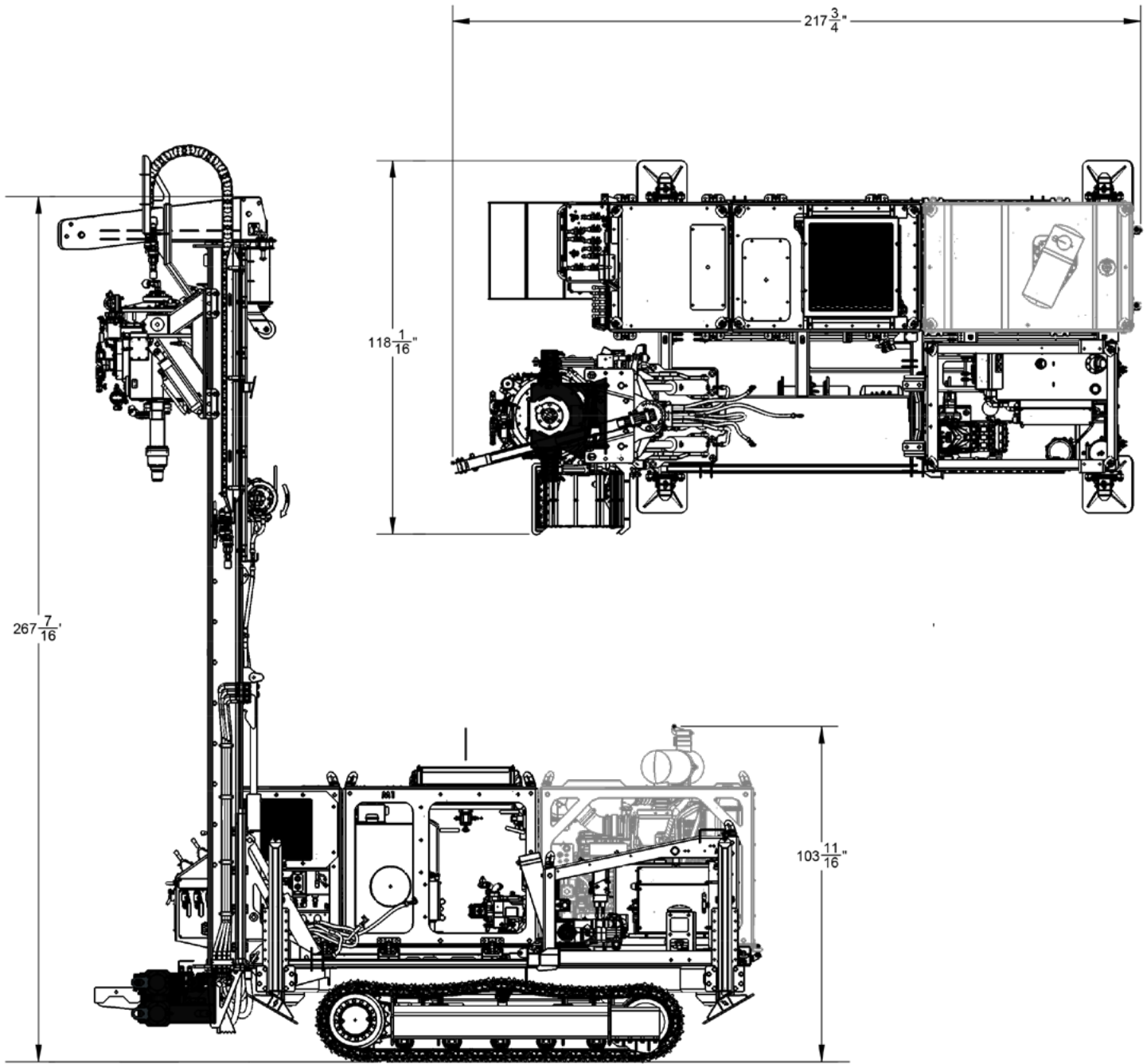
FOOT CLAMP / BREAKOUT SYSTEM		Metric		U.S.
ROD CLAMPS (FIXED)		1 (dual cylinders)		
MAX CLAMPING DIAMETER (CLAMP/BREAKOUT TOOL)		305 mm		12 in
MAX BREAKING TORQUE		23 kNm		16,964 lbft
MAX BREAKING ANGLE		39 deg		

GENERAL

STROKE LENGTH	14' / 4.3m stroke from 84" stroke feed cylinder
FEED FRAME	32" mast dump Proprietary feed frame design internally reinforced 45 to 90 degree operational angles 15,708 lbs of pull back
ENGINE & FUEL CAPACITY	Cummins Turbo Diesel 260 horsepower Approx. 200L diesel fuel tank
HYDRAULIC SYSTEM	Sonic Head Oscillator runs on a Closed Loop Circuit (gives driller good control) Oscillator System pressure 4000 psi Sonic Head Lubrication and cooling circuit has dedicated tank and cooler (prevents contamination of hydraulic system) Drilling system and functions on Large Open loop pump Drilling Functions System pressure 2500 psi Quality Bosch / Kawasaki pumps and valving
DEPTH CAPACITY	600ft (180m) - Depending on formation properties/Casing Diameter

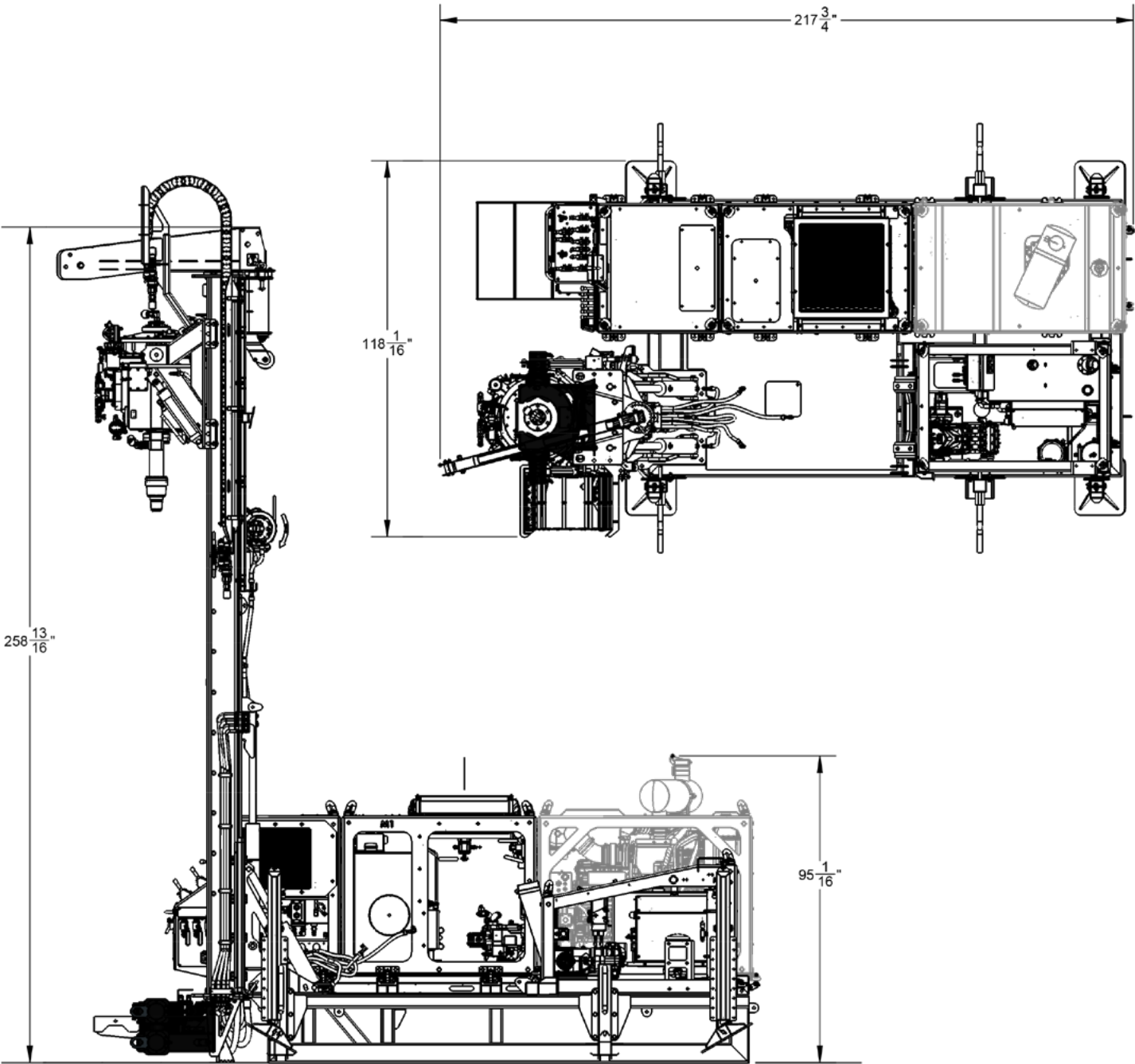
TRACK PLATFORM SPECIFICATIONS

TRACKS	CAT 308 steel tracks or optional rubber tracks
WEIGHT	24,700 lbs
DIMENSIONS	Shipping: 89" wide x 260" long x 101" tall Operational: 111" wide x 220" long x 260" tall
REMOTE CONTROL SYSTEM	12v wireless remote for electric over hydraulic function
NUMBER OF HELI PICKS	12



ALLOY PLATFORM SPECIFICATIONS

WEIGHT	1 400 lbs
DIMENSIONS	Shipping: 101 1/4" wide x 163" long x 87" tall Operational: 101 1/4" wide x 203" long x 30 11/16" tall
JACK LIFT CAPACITY	10,000 lbs
NUMBER OF HELI PICKS	10



OPTIONS

- Custom platforms
- SPT
- Grout pump
- Power jib
- Oil containment
- Custom walkway options
- Hydraulic winch
- Coring head
- Rubber Tracks
- Spindle lock
- Third break out clamp
- Rod presenter
- Rotation guard

