



**BREAKER  
TECHNOLOGY,  
INC.**

an Astec company

# TM SERIES

## Mobile Rockbreakers

*BTI's TM Series of Mobile Rockbreaker is a heavy duty, low profile vehicle specifically designed for breaking oversize in underground applications.*

### **Features & Benefits**

#### **Optimum Breaker Performance**

is achieved with the four hydraulic stabilizers, capable of levelling the machine on any ground condition. When supported on the four stabilizers the full weight of the machine is available for raking and breaking operations independent of ground conditions. The stabilizers also eliminate the oscillation of the engine end axle for excellent machine stability during boom and breaker operation.

#### **Rugged Construction**

Normal operation of the Rockbreaker imposes side and torsional loading of the boom assembly when the machine is used to rake and manipulate oversize. The Breaker Boom has been specifically designed with an integral sub-frame to provide additional rigidity and strength to the base carrier frame.



TM12HD-TB830XS  
on LP15ARN Carrier

Boom sections are fabricated from high strength carbon steel with reinforced ends.

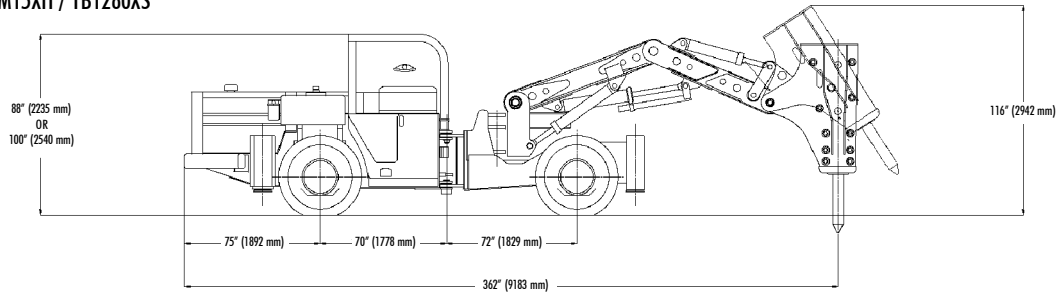
Massive swing post is mounted on self-aligning bushings.

Pivot pins are oversize alloy steel with replaceable hardened steel bushings.

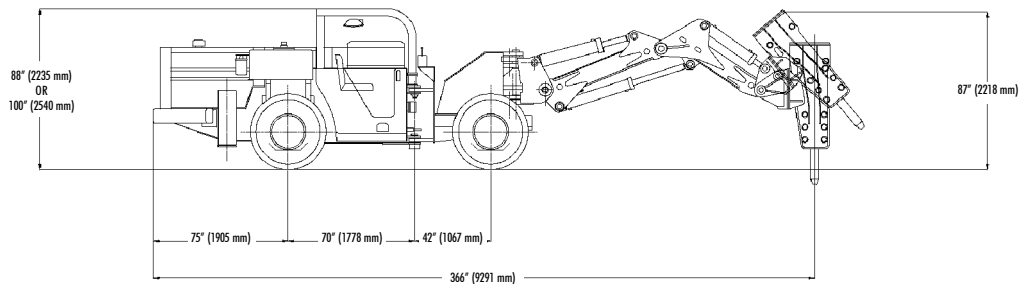
All hydraulic boom cylinders are equipped with oversize rods and self-aligning bushings at each end to prevent side loading of the cylinders during raking and breaking operations.

# TM Series Mobile Rockbreakers

TM15XH / TB1280XS



TM12HD / TB725XS



Dimensions & Data Samples	TM12HD	TM12XH	TM15HD	TM15XH
	Breaker Model/Class	TB830 Data Shown	TB830 Data Shown	TB1280 Data Shown
Boom Reach w Breaker Vertical	166" / 4216 mm	166" / 4216 mm	189" / 4800 mm	189" / 4800 mm
Maximum Horizontal Reach	193" / 4902 mm	193" / 4902 mm	232" / 5893 mm	232" / 5893 mm
Boom Swing	70 degrees	60 degrees	60 degrees	60 degrees
Tramming Length	340" / 8636 mm	340" / 8636 mm	349" / 8865 mm	368" / 9347 mm
Tramming Height	102" / 2591 mm	102" / 2591 mm	120" / 3048 mm	120" / 3048 mm
Tramming Height w Boom Extended	88" / 2235 mm	88" / 2235 mm	100" / 2540 mm	100" / 2540 mm
Tramming Width	72" / 1829 mm	72" / 1829 mm	84" / 2134 mm	84" / 2134 mm
Approx. Weight				
TB625 - 1500 ft lb	23,100 lbs / 10,500 kg	N/A	N/A	N/A
TB725 - 2000 ft lb	23,750 lbs / 10,795 kg	23,750 lbs / 10,795 kg	23,750 lbs / 10,795 kg	N/A
TB830 - 3000 ft lb	24,000 lbs / 10,909 kg	24,000 lbs / 10,909 kg	24,000 lbs / 10,909 kg	N/A
TB980 - 4500 ft lb	N/A	25,550 lbs / 11,613 kg	25,550 lbs / 11,613 kg	N/A
TB1280 - 5500 ft lb	N/A	N/A	N/A	39,380 lbs / 17,900 kg
TB1680 - 7500 ft lb	N/A	N/A	N/A	40,280 lbs / 18,309 kg
Ground Clearance Under Differential	10" / 254 mm	10" / 254 mm	10" / 254 mm	10" / 254 mm
Turning Radius (Inside)	94" / 2387 mm	94" / 2387 mm	127" / 3226 mm	127" / 3226 mm
Turning Radius (Outside)	183" / 4648 mm	183" / 4648 mm	234" / 5944 mm	234" / 5944 mm
Maximum Gradeability	30%	30%	30%	30%
Vehicle Speeds (10.00 x 20 Tires, 2300 RPM, 23.75 Axle Ratio)				
1st Gear	20363 Transmission 2.7 mph / 4.3 kph	20363 Transmission 2.7 mph / 4.3 kph	32362 Transmission 2.6 mph / 4.2 kph	32362 Transmission 2.6 mph / 4.2 kph
2nd Gear	6.7 mph / 10.7 kph	6.7 mph / 10.7 kph	5.4 mph / 8.6 kph	5.4 mph / 8.6 kph
3rd Gear	12.7 mph / 20.3 kph	12.7 mph / 20.3 kph	13.7 mph / 22 kph	13.7 mph / 22 kph

All dimensions and specifications are approximate and subject to change without notice.

A 2-joystick portable control panel is provided as standard equipment for the operation of boom and breaker. The portable control console can be operated from either the operator's compartment or any other safe location.

A high capacity alternator is used for powering 4 high intensity working lights mounted on the carrier.

**Options:**

- ANSUL Fire Suppression System
- SAE Certified ROPS/FOPS Canopy
- Electric Hydraulic Power Pack
- Radio Remote Control

**Authorized Dealer**



[www.rockbreaker.com](http://www.rockbreaker.com)

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