

# ROCKBREAKING ATTACHMENTS



***BX SERIES*** MID-SIZE  
HYDRAULIC BREAKERS

*POWER YOUR PRODUCTIVITY*



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

# YOUR ROCKBREAKING EXPERT & PARTNER



## WE OFFER DECADES OF EXPERIENCE & CUSTOMER SERVICE

Breaker Technology (BTI) is the rockbreaking expert in the construction, demolition, quarrying, and mining industries. We offer 15 different breaker models in three size classifications: small, mid-size and large. For nearly 60 years, we've been helping companies power their productivity and break into profitability.

Experience has taught us that information and partnerships, combined with high-quality equipment provide great results. BTI works with you to fine-tune your selection, ensuring you're getting the right piece of equipment for your job.





**WORKING FOR YOU,  
NOT AGAINST YOU**



### BTI BX BREAKERS GO TO WORK FOR YOU

BTI's mid-size BX Series RockBreakers are built to power your productivity in both concrete and rock applications. Whether your job is breaking down concrete surfaces, trenching, or preventing blockage in crushing systems, our BX Series RockBreakers are made to withstand continuous breaking in harsh environments.

#### APPLICATIONS:

Concrete Breaking // Secondary Demolition // Boulder/Rock Breaking // Trenching // Primary Demolition



# FEATURES

## THAT KEEP YOU PRODUCTIVE

### + EASY TO SERVICE

With fewer parts integrated into the design, servicing the breaker is both easy and less expensive.

### + LOW OPERATING COSTS

High flow rates and low operating pressures minimize heat generation and hydraulic shock loading for smooth operation and maximum service life for both the carrier and breaker.

### + OPERATE IN VARYING ROCK CONDITIONS

Anti-blank fire on/off selector (BX10 – BX30) allows you to alternate modes when working in varying conditions.

### + REDUCE NOISE LEVELS

Boxed housing keeps the noise levels down, essential in high-density population areas.

### + OPTIMIZE PRODUCTION

Rockbreaker-mounted manual stroke selector valve optimizes power and speed, giving you options for different applications.

### + AUTO GREASE OPTION

BTI's auto-grease system keeps your tool lubricated without the hassle of stopping your production cycle flow while delivering just the right amount of grease when it's needed most. The system installs directly on the breaker.

### + EXTREME DUTY & WEAR BAR KIT OPTION

The extreme duty and wear bar kit offers additional protection to the wear and tear of your rockbreaker with a factory application of cast abrasion strips and wear resistant plate with rock claws.



# SIZE YOUR BREAKER

## ONE SIZE DOES NOT FIT ALL

BTI's BX Series RockBreakers break-up concrete, aggregate, limestone, hard rock, and granite. To get the best performance from your BTI RockBreaker, you need to account for three things: your carrier size, the material you're breaking, and your production goals. Your carrier's operating weight and hydraulic system capabilities determine your breaker size. Use this chart to match the correct BTI RockBreaker to your carrier.

### Carrier Sizing Chart

BREAKER MODEL	Carrier Weight in Tonnes (metric)															
	0	5	10	15	20	25	30	0	5	10	15	20	25	30		
<b>BX10</b> 1000 ft • lb (1 350 joule)			5-8													
<b>BX15</b> 1500 ft • lb (2 000 joule)			6-9													
<b>BX20</b> 2000 ft • lb (2 700 joule)				10-15												
<b>BX30</b> 3000 ft • lb (4 100 joule)					16-22											
<b>BX40</b> 4000 ft • lb (5 400 joule)						18-25										

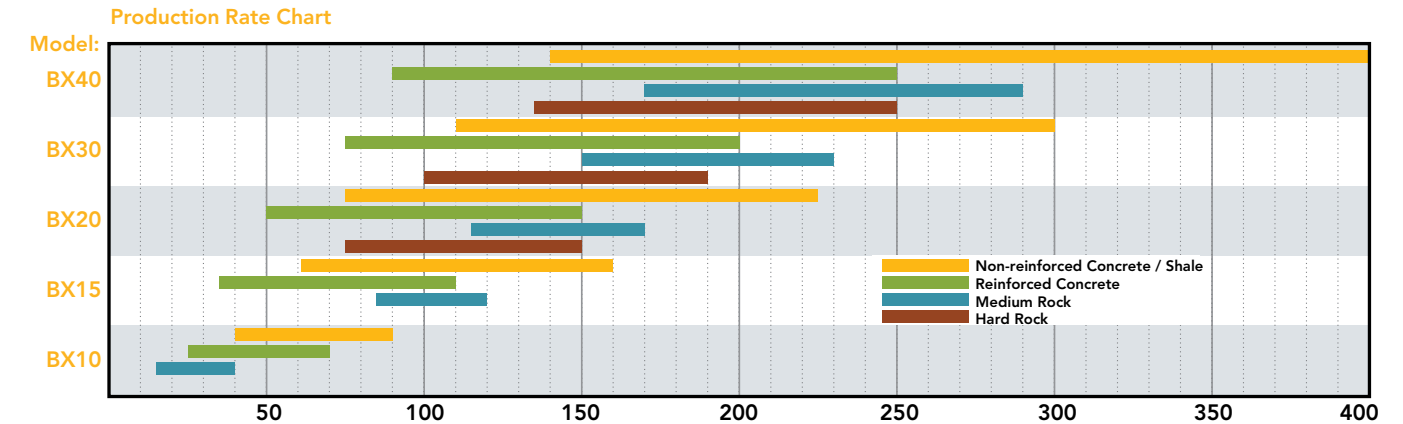
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 Skidsteer  
  Backhoe  
  Mini-excavator  
  Excavator

# DETERMINE YOUR OUTPUT

## PRODUCTION RATE MATTERS

The hardness of the materials you're breaking will identify the right breaker for your job. The material size and hardness plus rockbreaker size will determine your production flow rate. Use this chart to ensure you're maximizing your production rate and getting the most from your BTI RockBreaker.



Based on production rates in cubic yard per eight hour shift.

Note: Values are non-binding industry guidelines by foot-pound class and will vary depending on rock formation, machine, operator and job conditions. BX15 and smaller are not recommended for hard rock.





## + CHOOSE THE RIGHT TOOL FOR YOUR JOB

The key to getting the highest productivity from your BTI RockBreaker is to choose the right tool for the job. Although there are many types of tools available for your rockbreaker, the most common tools are the chisel, blunt andmoil tools.

**CHISEL:** used to split material that is made up of varying substances such as concrete, asphalt and sedimentary rock.  
**BLUNT:** used to impact hard rock like igneous rock, granite, traprock, etc.  
**MOIL:** used to penetrate low-abrasive materials such as concrete and other softer rock.



## + REGULAR GREASING WILL SAVE YOU MONEY

Regularly lubricating your tool will sustain the life of your rockbreaker, giving you years of productivity. The BTI Chisel Paste is specially formulated to provide the right amount of lubrication for the BTI RockBreaker's

operation. Be sure to grease every two hours of continuous use or when the tool becomes dry and shiny. Failure to regularly lubricate your machine will reduce the life of the tool, bushings and front head.



## + BTI PARTS AND KITS

BTI genuine parts and maintenance kits make it easy to stay productive. Preventative maintenance is key to staying on schedule. We have

everything you need to carry out proper maintenance routines for wear parts, helping you complete your job on time and on budget.



SPECIFICATION		BX10	BX15	BX20	BX30	BX40
ENERGY CLASS	FT-LBS	1,000	1,500	2,000	3,000	4,000
	JOULES	1,355	2,035	2,710	4,065	5,420
OPERATING WEIGHT (INCLUDING TOP BRACKET)	LBS	948	1,355	2,050	2,668	3,830
	KG	430	615	930	1,210	1,740
OVERALL LENGTH (INCLUDING STANDARD BRACKET)	IN	71	78	88	97	109
	MM	1,800	1,980	2,225	2,455	2,760
OIL FLOW RANGE	GPM	12 - 21	14 - 27	24 - 29	27 - 37	29 - 42
	LPM	45 - 80	50 - 100	90 - 110	100 - 140	110 - 160
OPERATING PRESSURE	PSI	2,000	2,000	2,300	2,450	2,450
	BAR	140	140	160	170	170
BLOW RATE	LONG STROKE	BPM	350 - 900	300 - 700	350 - 550	350 - 550
	SHORT STROKE	BPM	450 - 1,000	550 - 950	500 - 750	500 - 850
TOOL DIAMETER	IN	3.1	3.3	4.1	4.7	5.3
	MM	78	85	105	120	135
EXPOSED TOOL LENGTH	IN	17.5	17.5	21.3	26.5	26.5
	MM	445	465	538	668	668
RECOMMENDED CARRIER WEIGHT	LB	11,000 - 17,700	13,200 - 19,900	22,000 - 33,100	35,200 - 44,100	39,700 - 55,200
	M TONNE	5 - 8	6 - 9	10 - 15	16 - 20	18 - 25
REMOTE AIR BREATHER		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
REMOTE GREASE CONNECTION		STANDARD	STANDARD	STANDARD	STANDARD	OPTIONAL
MANUALLY CONTROLLED TWO-STROKE		STANDARD	STANDARD	STANDARD	STANDARD	N/A
ANTI-BLANK FIRE - ON/OFF SELECTOR		STANDARD	STANDARD	STANDARD	STANDARD	N/A
BREAKER MOUNTED AUTO GREASE SYSTEM		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
CARRIER MOUNTED AUTO GREASE SYSTEM		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
SILENCED BOX HOUSING		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
SIDE PLATE MOUNTING		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	N/A
EXTREME DUTY WEAR RESISTANT KIT		N/A	N/A	OPTIONAL	OPTIONAL	OPTIONAL



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