Hydraulic Breaker Attachment

One Tough Animal
The new HB Series Bobcat® breakers have been designed to meet the most demanding customer requirements. Bobcat engineers started from a blank sheet of paper, developing a brand new concept which has led to many new patents. Reduced maintenance and reliability were at the top of the list of engineers’ concerns—at the same time maintaining the advantages for which Bobcat is renowned: ease of mounting, versatility and maximum productivity.

Virtually maintenance free
Energy chamber with diaphragm is positioned on the top of the piston—ensuring consistent nitrogen pressure and maximum performance from the breaker. Maintenance is simplified, and no periodic recharging is necessary. It’s virtually maintenance free, unlike piston-sealed systems without diaphragms. The breaker is operational as soon as it is mounted on the carrier.

New concept

Auto power
The automatic pressure regulator ensures that the breaker operates at the best possible pressure for any Bobcat model—providing maximum performance regardless of flow variations, carrier back pressure, or temperature changes. Excessive pressure is limited at the time of start-up. The energy chamber diaphragm is protected.

Silencing as standard
The upper and lower shock absorbers isolate the breaker from the housing, reducing noise and vibrations transmitted to the operator.

- Low maintenance
- Easy tool removal
- Reliable
- High performance
- Versatile
- Simple
- Low noise
- Multiple carrier capabilities

High performance, easy to operate
Easy and minimal maintenance

No tie-rods. The clip retains both the retaining pin and the bushing; removal of the bushing can be done easily on site. The breaker point can be removed quickly with a single multi-purpose tool. The grease zerk is protected by the clip.

Easy maintenance check:
1. Slide maintenance tool in clip opening
2. Turn maintenance tool 90 degrees to expand clip
3. Slide clip forward
4. Remove retainer pin
5. Remove breaker tool
6. Inspect retainer pin for wear using maintenance tool
7. To check bushing chamfer wear, insert maintenance tool and rotate 180 degrees
8. Reverse maintenance tool to check inside bushing-wear insert and rotate 180 degrees.
9. If wear of bushing is out of tolerance remove bushing and replace

Easy to mount

Demolition demands durability and versatility and so does Bobcat. Bobcat® breakers are easy to mount and can be utilized on a multitude of Bobcat carriers; the mini track loader, the skid-steer, all-wheel steer and compact track loaders and excavators can use the same breaker. Bobcat breakers now have more mounting options to operate on the carrier that works best for you.

Loader mounting frame
- Bob-Tach™ mounting system, now the industry standard, makes mounting breakers to loader a snap.
- Two bolt-on sizes available.
  - Small frame for Bobcat mini loaders.
  - Standard frame for skid-steer, all-wheel steer and compact track loaders.

Loader X-Change mounting frame
- If you utilize your breaker on a loader and excavator and want to change between carriers, this is the frame for you.
- The loader X-Change mounting frame allows quick change from loader mount to excavator mount.
- This frame, in conjunction with the excavator X-Change mounting cap, is excellent for rental applications.
- Breaker must be equipped with an excavator X-Change mounting cap.

Excavator X-Change® mounting cap
- Allows breaker to be mounted directly to Bobcat excavators with X-Change mounting.
- The exclusive Bobcat X-Change mounting system makes changing excavator attachments fast and easy.
- Pin-through design secures breaker in place.
- Mounts available to match breaker size to excavator model.

Excavator pin-on mounting cap
- Allows breaker to be mounted directly to Bobcat 320–323 and 442 excavators with pin-on mounting.
Auto Power
Pressure regulator: ensures constant maximum performance.

Compact soundproof housing: practical and robust.

Energy chamber with diaphragm: constant performance, no maintenance required.

Upper shock absorber: limits noise and vibration.

Lower shock absorber: limits noise and vibration.

Graphic depicts HB280-HB1180 models.

Hose guide: contains and protects hoses.

Single retaining pin: reduced maintenance.

Clip: fast, easy change of tool and bushing. Easy to grease; clip protects grease zerk.

Single sliding bushing with integrated shank adaptor, easy maintenance.

Comfort and operator-friendly performance!
Bobcat® Hydraulic Breaker Attachment

Specifications

Model           | HB280 | HB680 | HB880 | HB980 | HB1180 | HB2380
---              | ---   | ---   | ---   | ---   | ---    | ---

Performance

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Blows per Minute</td>
<td>1290 @ 6 gpm</td>
<td>1340 @ 13 gpm</td>
<td>1310 @ 17 gpm</td>
<td>1450 @ 21 gpm</td>
<td>1280 @ 26 gpm</td>
<td>910 @ 33 gpm</td>
</tr>
<tr>
<td>Flow Requirements</td>
<td>3.4-6.1 gpm (13-23 L/min)</td>
<td>7.1-13 gpm (26-49 L/min)</td>
<td>8-17 gpm (30-64 L/min)</td>
<td>13-21 gpm (49-79 L/min)</td>
<td>15-28 gpm (57-88 L/min)</td>
<td>19.8-33 gpm (75-125 L/min)</td>
</tr>
</tbody>
</table>

Estimated Breaker Performance with Concrete

Recommended Working Thickness
- 1-4 in. (25-100 mm)
- 2-4 in. (50-100 mm)
- 4-10 in. (100-250 mm)
- 6-14 in. (150-350 mm)
- 8-16 in. (200-400 mm)

Demolished Volume Per Hour

Non-Reinforced
- 1-2 yd.³/hr (0.8-1.5 m³/hr)

Reinforced
- 1-2 yd.³/hr (0.8-1.5 m³/hr)
- 1-4 yd.³/hr (0.8-3.8 m³/hr)
- 4-12 yd.³/hr (3.8-11.5 m³/hr)
- 1-3 yd.³/hr (0.8-2.8 m³/hr)
- 1-4 yd.³/hr (0.8-3.8 m³/hr)

Dimensions

(A) Length (Excavator Fixing Cap) 40.3 in. (1024 mm)
(B) Tool Length 10.6 in. (269 mm)
(C) Breaker Lower Cradle Diameter 5.2 in. (132 mm)
(D) Width (Loader Mounting Frame) N/A
(E) Height (Loader Mounting Frame) 20.5 in. (520 mm)
(F) Length (Loader Mounting Frame) N/A

Tool Diameter 1.46 in. (37 mm)

Weights

Breaker w/ Nail Point & Excavator Fixing Cap 160 lb. (73 kg)
426 lb. (193 kg)
580 lb. (263 kg)
720 lb. (327 kg)
819 lb. (372 kg)
1065 lb. (483 kg)

Breaker w/ Nail Point & Loader Mounting Frame N/A
494 lb. (224 kg)
736 lb. (334 kg)
876 lb. (397 kg)
1050 lb. (476 kg)
1215 lb. (551 kg)

Breaker w/ Nail Point, Excavator Fixing Cap & Loader X-Change Frame N/A
632 lb. (287 kg)
786 lb. (354 kg)
1082 lb. (490 kg)
1130 lb. (513 kg)
N/A

Tool selection varies by breaker model. See your dealer for details.

Approved tools for Breakers:

- A. In-line Chisel
- B. Nail Point
- C. Crosscut Wide Chisel
- D. In-line Wide Chisel
- E. Blunt Tool
- F. Tamping Pad
- G. Crosscut Chisel
- H. Moil (Conical) Point
- I. Crosscut Asphalt Chisel
- J. In-line Asphalt Chisel

These attachments may also be approved for certain new loader and excavator models. See your Bobcat dealer for details.

The Bobcat Attachments Advantage: Bobcat attachments are engineered and manufactured to fit Bobcat loaders for optimum job performance, dependability and durability.

† These recommendations should be used as a guideline only, since reinforced concrete, strength of concrete, equipment, all dimensions are shown in inches. Respective metric dimensions are enclosed by parentheses. Bobcat Company complies with the requirements of ISO 9001 as registered by BSI.

NOTE - Where applicable, dimensions are in accordance with Society of Automotive Engineers (SAE) and ISO standards. Specifications and design are subject to change without notice. Pictures of Bobcat units may show other than standard operator proficiency, type of carrier and worksite regulations.

Performance, dependability and durability.

The Bobcat Attachments Advantage: Bobcat attachments are engineered and manufactured to fit Bobcat loaders for optimum job performance, dependability and durability.