



# SELECTING AND BUYING A HAMMER



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# Hammer Buying Fundamentals

## HAMMER TIME.

### Everything you need to know before you buy a hammer.

#### 1. What size do you need?

When it comes to hammer attachments, bigger doesn't always mean better. Carefully consider the size hammer you need to complete the task at hand. By matching the hammer size to the job, you help ensure better stability and safety and increase productivity. Using a hammer that is too large may be inefficient and more difficult to maneuver for some jobs.

#### 2. What are you breaking?

When considering a hammer, the application is one of the most important purchasing factors. For better productivity and performance, always match the power of the hammer to your application. Read more about hammer applications in [Guide 3: Business Builders](#).

#### 3. What features matter most?

Consider your specific job needs and your crew's capabilities. Do you have junior operators who need blank firing protection? Or do you need protective housing to reduce noise levels? Cat® hammers come with a variety of features to help you extend breaker life, protect power cells and even enhance driver comfort, among other benefits.

#### 4. How often will you use it?

The hammer model you need depends not only on the size of your machine, but also on the frequency of use. Do you need a large hammer for multiple machines or a smaller hammer for everyday job requirements? Know whether you need a hammer for primary or secondary breaking and purchase the production level required.

#### 5. What machine(s) will you put the hammer on?

A single machine can utilize several different hammer models, just as a single hammer model can work on several different machines. How the hammer connects to the machine is also a critical factor in determining which hammer model would work best for your application. Before buying a hammer, consider if a flat-top or pin-on connection would work best for your needs and the machine or machines that will be using the hammer. Find the right hammer for you with our [Hammer Selector Tool](#).

## Hammer Tools

# BLUNT vs. CHISEL vs. MOIL TOOLS

### How to select the right tool for the job.

Your hammer's life could depend on choosing the right hammer tool. Not all tools work for every breaker model, so it's important to consider what type of rock you will be breaking before choosing a tool type. Below, we break down the features and benefits of each hammer tool type, so you can select the best one for your application.

### Blunt Tool

Ideal for demolishing concrete structure and boulder breaking.

- Oversized breaking for better positioning and transmission of the shockwave
- Directs blow equally in all directions
- Shatters surface to create cracks and accelerate separation
- Good for rock the tool doesn't penetrate into, like igneous and tough metamorphic (granite, marble, basalt, slate, schist and quartzite)



### Chisel Tool

Best for non-abrasive, yet ductile, rock.

- Chisel cracks or opens seams
- Medium penetration rate into rock
- In-line and cross-cut for different directional patterns
- Used for general breaking, demolition, asphalt cutting and demolition of concrete or brick walls
- Also good for concrete, sedimentary and weak metamorphic rocks (shale, limestone, sandstone, chert, siltstone and flint)

### Moil Tool

Use for soft, non-abrasive rock.

- Good for sedimentary, weak metamorphic rock and concrete
- Used for breaking light, reinforced concrete and asphalt

Hammers for machines up to 12 tonne offer additional hammer tool types, including a spade tool for general breaking and asphalt cutting, and a tool for soil compaction. Our Wear Flex tool line for large hammers provides an additional level of impact resistance.

## Important Features

# CAT HAMMER FEATURES

When choosing a hammer, think about which features are most important to your job needs and your crew's capabilities. Cat hammers can include the following features:

### Automatic Shut-Off

Automatic shut off on a hammer helps protect against blank firing, which could damage your machine when the piston hits the tool instead of the breaking material. The automatic shut-off feature also helps prevent premature damage to the hammer and protects your equipment by detecting when the hammer is not in contact with the material.

### Silencing

Silencing is an important feature for jobs where noise is regulated, such as residential areas or hospitals. It also improves job site safety thanks to reduced noise levels. The Cat silencing feature includes a fully enclosed housing to protect the power cell and prevent dust and debris from entering the bushing. Non-silenced models are also available.

### Buffering System

Available on select models, the unique Cat buffering system reduces vibration to the machine for improved recoil, support and guidance. This protects the carrier from powerful reflective forces, improving noise suppression, durability, operator feel and control.

#### A closer look at our buffering system.

- Large top buffer
  - Absorbs vibration
  - Prevents damaging impulses from reaching the carrier
- Two side buffers
  - Suspend power cell
  - Stabilize reflective forces and dampen tie rod loading
  - Easily inspected during daily walk-around
- Interlocking quad wear system
  - Wear plates guide and support the front head
  - Rotates 90 degrees to double service life
- Lower buffer
  - The new buffer covers and absorbs vibration, dampens tie rod loading, enhances noise suppression
- Built-in accumulators
  - Smooth flow
  - Protect hydraulic system from pressure spikes



## Important Features

# Why Choose Cat Hammers?

### 1. A full system solution

As a total system solution, Cat hammers and machines are designed to work together seamlessly, providing you with:

- Greater stability and integrity
- Seamless hydraulic connectivity for maximum performance
- Protection from damage
- Better fit for roading and transport
- Custom brackets and lines for specific hammer /machine combinations

### 2. More than 20 models to choose from

With a full range of models to suit your individual needs, our hammers perfectly complement our machine lineup whether you're looking for small, medium or large models.

### 3. 25 years and going strong

We've been perfecting our hammers and listening to what our customers care about most since the early '90s. We continuously improve each element to deliver the right solution that meets your needs.

### 4. 50,000 hammers sold globally

We take the time to fully understand what you're looking for and craft each hammer to deliver the power you need, without fail.

### 5. 100% quality

When you're armed with a Cat machine and hammer, you can be confident they're designed, engineered and manufactured to the highest industry standards. Our world-class manufacturing is built on a deep institutional knowledge of steel and heat treating with quality control to the highest levels and global shipping. Plus our extensive dealer network supports you anywhere, anytime – all to save you time, money and improve your bottom line.

**BUILT FOR IT.™**

Learn more at [catattachmentsolutions.com](http://catattachmentsolutions.com)

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