Hydraulic Breakers

KOMATSU®

Hydraulic Breakers

JTHB SERIES
Whether you’re tearing out a reinforced concrete abutment, scaling a tunnel, or running a pedestal-boom at the quarry, Komatsu hydraulic breakers provide you high impact energy for exceptional performance in a variety of rock and concrete demolition applications. The high impact power of the JTHB Series breakers is delivered through a combination of hydraulic and nitrogen gas energy without the use of accumulators. This same nitrogen gas design provides recoil absorption to minimize shock to the system while storing energy for the next blow to help prevent stress and fatigue to the machine and the operator for a friendlier experience!

With a simple, yet efficient design, Komatsu hydraulic breakers provide you an excellent product with long life and low operating costs.

With only two moving parts and "accumulator-free" technology, these breakers are designed for maximum reliability and reduced operating expenses… which is why we offer a 3-year warranty to back it up!

**High Impact Energy**
A combination of 70% nitrogen gas and 30% hydraulic energy provides powerful impact for high-performance productivity.

**Simple Design, Longer Life**
With only two moving parts and a built-in dust prevention system, Komatsu hydraulic breakers are designed for maximum uptime and reliability.

**Versatile for Any Carrier**
Low sensitivity to back pressure means the Komatsu breaker can be used with virtually any carrier.

**Sound Suppression**
Box brackets with noise reduction design…minimally invasive in urban areas.

**Extensive Range of Tools**
For versatility in a variety of specialty applications.

**Ready-To-Go**
Includes your choice of a point, complete tool kit, hoses, nitrogen gas charging tool and mounting bracket with pins.
There’s a complete range of Komatsu hydraulic breakers designed to fit your application, from the smallest of carriers like the Toro® "Dingo" and mini-excavators, to skid-steers and full-size excavators. With our innovative side plate and bracket system design, one breaker can be used on several machines with a simple pin and bushing change. So, contact your nearest Komatsu distributor to learn more about the advantages of these superior hydraulic breakers!

**Nitrogen Gas Cushion**
Absorbs piston recoil to reduce vibration to minimize stress on the machine and operator.

**Simple Control Valve**
Flow-through design for efficient control while also minimizing hydraulic surge.

**Patented Tie Rod Design**
Short, fully-enclosed tie rods with internal vibration dampeners and patented thread design resist the self-destruction inherent to hydraulic breakers.

**"Hydraulic Cushioning"**
helps prevent damage from occurring when inadvertently triggering the breaker to fire.

**"Accumulator-Free" Technology**
Less hassle, less to go wrong for reduced maintenance and lower operating expense.

**Port for Under Water Applications**
Standard on every breaker, quick and convenient for pressurized air.

**Auto-Lube Options**
Mount to the breaker or machine to eliminate time spent manually greasing the breaker.

**50/50 Piston-to-Chisel Weight Ratio**
With long stroke for greater energy transfer and less recoil.

**Dual Retainer Pins**
Ensures proper alignment and spreads wear around the tool for longer chisel and bushing life.

**Special Hardened Alloy Points**
For durability in a wide range of applications.

**3-Year Warranty***
Quite simply, the best warranty on the market!

*On models JTHB-08 thru 350. 1-year on all other models.
# BREAKER SPECIFICATIONS

## 16 MODELS TO CHOOSE FROM

<table>
<thead>
<tr>
<th>Model Type</th>
<th>JTHB08-3</th>
<th>JTHB10-3</th>
<th>JTHB20-3</th>
<th>JTHB30-3</th>
<th>JTHB40-3</th>
<th>JTHB50-3</th>
<th>JTHB60-3</th>
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</thead>
<tbody>
<tr>
<td>Impact Energy Class: ft-lb (Nm)</td>
<td>100 (136)</td>
<td>150 (203)</td>
<td>250 (339)</td>
<td>350 (475)</td>
<td>550 (745)</td>
<td>825 (1,118)</td>
<td>1,000 (1,356)</td>
</tr>
<tr>
<td>Impact Frequency: bpm</td>
<td>930 - 1,300</td>
<td>700 - 1,200</td>
<td>600 - 1,150</td>
<td>550 - 1,000</td>
<td>580 - 1,060</td>
<td>550 - 1,000</td>
<td>600 - 1,050</td>
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<tr>
<td>Working Weight</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 - Piece Side Plates - lb (kg)</td>
<td>165 (75)</td>
<td>187 (85)</td>
<td>187 (85)</td>
<td>418 (190)</td>
<td>485 (220)</td>
<td>672 (305)</td>
<td>805 (365)</td>
</tr>
<tr>
<td>2 - Piece Side Plates - lb (kg)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>463 (210)</td>
<td>562 (255)</td>
<td>694 (315)</td>
<td>772 (350)</td>
</tr>
<tr>
<td>Box Bracket - lb (kg)</td>
<td>198 (90)</td>
<td>264 (120)</td>
<td>264 (120)</td>
<td>562 (255)</td>
<td>705 (350)</td>
<td>849 (385)</td>
<td>904 (410)</td>
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<tr>
<td>Operating Pressure</td>
<td>870 - 1,885</td>
<td>1,015 - 2,030</td>
<td>1,015 - 2,030</td>
<td>1,450 - 2,175</td>
<td>1,450 - 2,320</td>
<td>1,450 - 2,320</td>
<td>1,450 - 2,320</td>
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<tr>
<td>Max Oil Flow</td>
<td>4.75 - 6.6</td>
<td>5.3 - 7.9</td>
<td>5.2 - 9.2</td>
<td>6.6 - 11.9</td>
<td>7.9 - 14.5</td>
<td>9.2 - 15.8</td>
<td>10.5 - 18.5</td>
</tr>
<tr>
<td>Chisel Diameter - inch (mm)</td>
<td>1.57 (40)</td>
<td>1.77 (45)</td>
<td>2.0 (50)</td>
<td>2.28 (58)</td>
<td>2.5 (64)</td>
<td>3.0 (75)</td>
<td>3.0 (75)</td>
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<tr>
<td>Hoze Size - inch</td>
<td>3/8</td>
<td>1/2</td>
<td>1/2</td>
<td>1/2</td>
<td>1/2</td>
<td>1/2</td>
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<tr>
<td>Base Carrier - mt</td>
<td>.7 - 1.5</td>
<td>1 - 2</td>
<td>1.5 - 2.5</td>
<td>2.4 - 4</td>
<td>3 - 4.5</td>
<td>3.8 - 6</td>
<td>5.5 - 8</td>
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# JTHB Series

<table>
<thead>
<tr>
<th>Model</th>
<th>Impact Energy</th>
<th>Impact Frequency</th>
<th>Working Weight</th>
<th>Box Bracket</th>
<th>Chisel Diameter</th>
<th>Hoze Size</th>
<th>Base Carrier</th>
</tr>
</thead>
<tbody>
<tr>
<td>JTHB70-3</td>
<td>1,500 (2,034)</td>
<td>930 - 1,300</td>
<td>165 (75)</td>
<td>198 (90)</td>
<td>1.57 (40)</td>
<td>3/8</td>
<td>.7 - 1.5</td>
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<tr>
<td>JTHB120-3</td>
<td>2,000 (2,712)</td>
<td>700 - 1,200</td>
<td>187 (85)</td>
<td>264 (120)</td>
<td>1.77 (45)</td>
<td>1/2</td>
<td>1 - 2</td>
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<tr>
<td>JTHB160-3</td>
<td>3,000 (4,067)</td>
<td>600 - 1,150</td>
<td>187 (85)</td>
<td>264 (120)</td>
<td>2.0 (50)</td>
<td>1/2</td>
<td>1.5 - 2.5</td>
</tr>
<tr>
<td>JTHB210-3</td>
<td>4,500 (6,101)</td>
<td>550 - 1,000</td>
<td>418 (190)</td>
<td>562 (255)</td>
<td>2.28 (58)</td>
<td>1/2</td>
<td>2.4 - 4</td>
</tr>
<tr>
<td>JTHB290-3</td>
<td>5,500 (7,457)</td>
<td>500 - 900</td>
<td>485 (220)</td>
<td>705 (350)</td>
<td>2.5 (64)</td>
<td>3/4</td>
<td>3 - 4.5</td>
</tr>
<tr>
<td>JTHB350-3</td>
<td>7,500 (10,169)</td>
<td>450 - 800</td>
<td>672 (305)</td>
<td>849 (385)</td>
<td>3.0 (75)</td>
<td>3/4</td>
<td>4 - 6.5</td>
</tr>
<tr>
<td>JTHB450-3</td>
<td>10,000 (13,558)</td>
<td>400 - 700</td>
<td>805 (365)</td>
<td>904 (410)</td>
<td>3.75 (95)</td>
<td>3/4</td>
<td>5 - 8</td>
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<tr>
<td>JTHB650-3</td>
<td>12,000 (16,270)</td>
<td>350 - 600</td>
<td>992 (450)</td>
<td>1,257 (570)</td>
<td>4.5 (115)</td>
<td>3/4</td>
<td>6 - 10.5</td>
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<tr>
<td>JTHB850-3</td>
<td>16,000 (21,693)</td>
<td>300 - 500</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3/4</td>
<td>8 - 14</td>
</tr>
</tbody>
</table>
MOUNTING BRACKETS AND TOOL TYPES

1-Piece Side Plates

- Heavy duty
- Ideal for trenching

Skid Steer Brackets

Box Bracket

- Available for all models
- Suitable for work in residential area

2-Piece Side Plates

- Heavy duty
- Ideal for trenching

Tools:

- BLUNT
- CROSS FLAT
- IN LINE FLAT
- IN LINE WIDE CHISEL
- CONICAL POINT
- CROSS CUT WIDE CHISEL
- ASPHALT CUTTER
- DECK BUSTER
- POST DRIVERS
- STEM & PADS

EXTENDED LENGTH / REACH

FROST WEDGE
OPERATING TECHNIQUES

1. Stop operation if hose swings irregularly
2. Do not operate in water/mud without proper air supply
3. Do not operate excavator cylinder at full stroke
4. Keep 90 degree angle to object
5. No more than 1 minute continuous hammering
6. Break from edge of large and hard rock
7. Stop hammering when object is broken
8. Do not pry with chisel
9. Do not hit objects with force
10. Do not swipe with breaker
11. Do not move rocks with breaker
12. Do not lift objects with breaker

PLEASE READ OPERATOR'S MANUAL FOR COMPLETE OPERATING INSTRUCTIONS