HYDRAULIC BREAKERS

HB14 to HB70  11-100 t Carriers
Breaking boundaries.

Every strike is delivered with the same optimal power as the last. To penetrate a number of demanding materials your Volvo hydraulic breaker provides consistent power, durability and breaking force. Set your Volvo breaker at the right frequency to suit your application needs.

**Two speed control**
The two-speed control offers flexibility and a tailored solution for every application. Dual speed allows the operator to choose the best frequency for the application while increasing your machine’s productivity. For jobsite versatility choose quick short bursts or long hard blows.

**Matched engineering**
Your Volvo breaker is made to work in harmony with your Volvo machine. Our breakers are designed with optimal performance in mind. The weight of the breaker matches the weight of the machine for optimal machine stability. The machine’s hydraulic technology is compatible with our breakers to enhance its performance.

**Service Network**
In order to respond to your needs faster, a Volvo expert is on their way to your job site from one of our Volvo facilities. With our extensive infrastructure of technicians, workshops and dealers, Volvo has a comprehensive network to fully support you using local knowledge and global experience.

**Match and attach**
So you can start using your Volvo breaker straight away, we provide an all-in-one package that is ready to use, whether purchasing it together with a new machine or for an existing machine in your fleet today. Depending on the product, the package includes hydraulic hoses, breaker, breaker bracket, and tools.
So you don’t have to worry about damaging your breaker from blank firing, the anti-blank function prevents the breaker from striking when the material has already been fully penetrated. The feature maximizes machine up-time and leads to lower maintenance costs.
The best of breakers.

**Two speed control**
Dual speed allows the operator to choose the best frequency for the application while increasing your machine’s productivity.

**Fully sealed housing**
The fully-sealed housing suppresses noise and protects the power cell, prolonging its lifespan through its robust design.

**Matched engineering**
Each breaker is perfectly matched to a Volvo machine according to its weight and hydraulics - giving the optimum overall performance.

**Large capacity accumulator**
The large capacity accumulator safeguards both machine and breaker hydraulic systems against potential pressure spikes, and increases power impact by recycling the piston’s energy.

**Match and attach**
An all-in-one package that is ready to use includes hydraulic hoses, breaker, breaker bracket, and relevant tools.

**Large Diameter Tie Rod**
The large diameter tie rods result in a greater tightening torque, which absorbs the stress inside the breaker and holds the power cell together more securely. This helps to prolong the time between services.

* Package configuration depends on your market. Contact your Volvo dealer for more information.
Service Network
Our comprehensive network of Volvo technicians, parts, work tools, workshops and dealers, will fully support you.

Optional Auto-Lube system:
A self-actuating greasing system removes the need for manual greasing.

Breaker tools
We offer an extensive range of high quality tools using high tensile steel to suit every application.

Large Diameter Piston
The large diameter piston is crucial for our larger machines to increase impact energy, maximize power and durability.

Anti-blank firing:
The Anti-blank firing function prevents the breaker from striking when the material has already been fully penetrated.

Volvo warranty
Volvo warranty ensures customers are guaranteed full peace of mind.
Volvo hydraulic breakers.

### Description | Unit | HB14 | HB15 | HB18 | HB21 | HB22 | HB24
--- | --- | --- | --- | --- | --- | --- | ---
Breaker weight* | kg | 1 030 | 1 120 | 1 337 | 1 465 | 1 657 | 1 798
Operating weight** | kg | 1 171 | 1 261 | 1 502 | 1 641 | 1 834 | 2 001
Overall length with direct fit bracket | mm | 2 322 | 2 379 | 2 544 | 2 723 | 2 792 | 2 904
Tool diameter | mm | 105 | 115 | 125 | 135 | 135 | 145
Sound power level (Directive2000/14/EC) | dB(A) | 124 | 121 | 123 | 124 | 124 | 125
Operating pressure | Mpa | 14-19 | 14-19 | 15-19 | 16-19 | 16-19 | 16-19
Oil flow | lpm | 68-119 | 85-127 | 95-131 | 115-155 | 119-161 | 127-178
Blow rate | Low speed bpm | 350-550 | 320-550 | 320-500 | 320-480 | 340-450 | 270-400
High speed bpm | 600-900 | 400-700 | 400-650 | 400-600 | 420-550 | 330-500
Suitable carrier | ton | 10-15 | 12-18 | 16-22 | 18-24 | 20-26 | 24-30

### Description | Unit | HB29 | HB36 | HB38 | HB48 | HB70
--- | --- | --- | --- | --- | --- | ---
Breaker weight* | kg | 2 311 | 2 561 | 3 235 | 3 669 | 6 285
Operating weight** | kg | 2 600 | 2 889 | 3 596 | 4 030 | 7 069
Overall length with direct fit bracket | mm | 3 066 | 3 177 | 3 406 | 3 617 | 4 265
Tool diameter | mm | 150 | 155 | 165 | 175 | 205
Sound power level (Directive2000/14/EC) | dB(A) | 125 | 126 | 126 | 126 | 127
Operating pressure | Mpa | 16-19 | 16-19 | 15-19 | 15-19 | 17-21
Oil flow | lpm | 153-204 | 170-238 | 187-250 | 204-272 | 350-420
High speed bpm | 300-450 | 270-470 | 270-410 | 270-500 | 320-520
Suitable carrier | ton | 25-36 | 28-42 | 34-50 | 40-60 | 60-100

* Breaker weight including hoses, tool but without breaker bracket.
** Operating weight including hoses, tool, bracket and pins x 2. Bracket weight varies depending on the interface type and the machine model so the average weight is used for the operational weight.

### Breaker solution for a wide range

Model coverage | HB14 | HB15 | HB18 | HB21 | HB22 | HB24 | HB29 | HB36 | HB38 | HB48 | HB70
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
ECR145C, ECR145D, ECR145E | • | • | • | • | • | • | • | • | • | • | •
ECR235C, ECR235D, ECR235E | • | • | • | • | • | • | • | • | • | • | •
ECR305D | • | • | • | • | • | • | • | • | • | • | •
EW140C, EW140D | • | • | • | • | • | • | • | • | • | • | •
EW160C, EW160D, EW160E, EW180C, EW180D, EW180E, EW205D | • | • | • | • | • | • | • | • | • | • | •
EW210C, EW210D, EW230C | • | • | • | • | • | • | • | • | • | • | •
EC140B, EC140C, EC140D, EC140E | • | • | • | • | • | • | • | • | • | • | •
EC160C, EC160D, EC160E, EC170D, EC180C, EC180D, EC180E | • | • | • | • | • | • | • | • | • | • | •
EC210B, EC210C, EC220D, EC220E, EC235C, EC235D | • | • | • | • | • | • | • | • | • | • | •
EC240B, EC240C, EC250D, EC250E | • | • | • | • | • | • | • | • | • | • | •
EC290B, EC290C, EC300D, EC300E | • | • | • | • | • | • | • | • | • | • | •
EC330B, EC330C, EC360B, EC360C, EC360D, EC380D, EC380E | • | • | • | • | • | • | • | • | • | • | •
EC360B, EC360C, EC350D, EC380D, EC380E | • | • | • | • | • | • | • | • | • | • | •
EC460B, EC460C, EC480D, EC480E | • | • | • | • | • | • | • | • | • | • | •
EC700B, EC700C, EC750D | • | • | • | • | • | • | • | • | • | • | •

### Hydraulic Breaker Brackets

- **Stype (S6, S60, S70)**
- **Stype (S1, S2, S3)**
- **Universal**

![Image of EC140-EC250](image1)

![Image of EC160-EC460/480](image2)

![Image of EC140-EC700](image3)
Tool application guide

<table>
<thead>
<tr>
<th>Description</th>
<th>General purpose</th>
<th>Concrete</th>
<th>Demolition</th>
<th>Boulders</th>
<th>Asphalt</th>
<th>Excavation</th>
<th>Trenching</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pyramid Moil</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moil point</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chisel</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td>•</td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Blunt</td>
<td>•</td>
<td></td>
<td></td>
<td>•</td>
<td>•</td>
<td></td>
<td>•</td>
</tr>
</tbody>
</table>

Tool selection

Pyramid moil
The pyramid moil is a standard tool for almost any application. This point is for general use in trenching or demolition. Ideal for concrete and materials that requires a high penetration rate.

Moil
The moil is a breaker tool for several applications. For nonabrasive and soft rock, concrete and other general use in trenching or demolition.

Chisel parallel and transversal
The chisel is the standard recommendation for rock excavation and concrete demolition. Available as parallel and transversal.

Blunt
The blunt is often used in breaking of blasted rock and reduction of oversize rock in crusher operations.

Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.