



Volvo Construction Equipment

# 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.



#### **Anti-Blank Firing**

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.

### Optional Auto-Lube system\*

A self-actuating greasing system removes the need for manual greasing.



### Service Network

Our comprehensive network of Volvo technicians, parts, work tools, workshops and dealers, will fully support you.

### Breaker tools

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



### 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.

### Large Diameter Piston

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

# 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	
Blow rate	Low speed	bpm	250-380	230-400	230-345	230-330	280-350
	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, EC350D, 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
----------------------	--------------------	-----------



EC140-EC250



EC160-EC460/480



EC140-EC700

## Tool application guide

Description	General purpose	Concrete	Demolition	Boulders	Asphalt	Excavation	Trenching
Pyramid Moil	•	•	•				
Moil point	•	•	•				
Chisel		•			•	•	•
Blunt			•	•			

## 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.



**VOLVO**

**Volvo Construction Equipment**

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