



# HYDRAULIC BREAKERS

Breakers HB02-HB75 for Volvo Excavators 1.5 - 75 t





# BUILT FOR LARGE EXCAVATORS

Whatever the task at hand, Volvo hydraulic breakers are designed to deliver impressive results. The powerful breaker delivers outstanding impact energy directly from the nitrogen gas chamber, reducing fuel consumption and demands on the machine. The two-speed control, combined with an extensive range of available work tools offers flexibility and a tailored solution for every application. With the auto-lubrication option, you can keep working with fewer interruptions.

# Breaking boundaries

Volvo hydraulic breakers are designed to work in harmony with your Volvo excavator, delivering the consistent power and performance you need – strike after strike. Durable by design and with a range work tools and breaker configurations to suit your operation, Volvo hydraulic breakers are ready to take on the most demanding projects.

## Durable by design

With a Volvo hydraulic breaker, you can take on the toughest jobs and stay more productive –for longer. Built with hard work in mind, the breaker housing is designed to put less stress on components while working, combined with a heavy duty tool pin, front head and diaphragm for outstanding durability and increased uptime. The anti-blank firing function further prevents breaker damage by eliminating the risk of blank firing.



## Service with ease

Complete maintenance tasks with speed and convenience on the Volvo hydraulic breaker. The easily accessible gas charging port enables quick and straightforward gas charging, helping to keep uptime to a maximum. A bush measuring jig allows you to easily see when the top bush needs replacing, and the breaker is also supplied with a tool box to help you perform maintenance tasks with ease.



## Volvo Service Network

There when you need us, with our extensive infrastructure of technicians, workshops and dealers, Volvo has a comprehensive network to fully support you using local knowledge and global experience. What's more every Volvo hydraulic breaker comes with one-year warranty which covers both the breaker and hydraulic circuit of the host machine (operating and service instructions must be followed).



## The Perfect Match

Whether it is the perfect balance of weight and power, or components like the accumulator – which is designed to specifically protect the hydraulic pump on a Volvo excavator – every detail of the Volvo breaker has been designed to work in harmony with your Volvo machine. Volvo breakers are supplied as an all-in-one package so you can get straight to work, including your choice of hoses, bracket and tools.



# Break time

Whatever the environment and whatever the project, you want your Volvo compact excavator to deliver outstanding versatility, performance and durability – and Volvo hydraulic breakers are no different. Built to work in harmony with your Volvo compact excavator, Volvo breakers are designed to deliver impressive results across a wide range of breaking applications.

## Versatile performance

With an extensive selection of available work tools, your Volvo hydraulic breaker can take on a wide range of jobs both within and between sites. What's more, our breakers are specially designed to suit existing Volvo quick couplers for quick and simple attachment changes, maximizing productivity for multi-application work.



## Ready to work

Volvo hydraulic breakers are supplied as an all-in-one package, including your choice of hoses, bracket and breaker tools, so you can get straight to work. From the component design to the perfect balance of weight and power, every detail of the Volvo breaker has been engineered to work in harmony with your Volvo compact excavator.



## Service with ease

Maintain your Volvo breaker with speed and ease, including easy gas charging, a supplied tool box and a bush measuring jig, enabling you to easily see when the top bush needs replacement. When a conversation with your dealer is required, the conveniently located serial number on the outside of the breaker means a quick glance gives you all the product information you need.



## Here to support you

Here when you need us, your local Volvo dealer is on hand to support you with product advice, parts availability, maintenance and more. What's more, every Volvo hydraulic breaker comes with one-year warranty which covers both the breaker and the hydraulic circuit of the host machine (operating and service instructions must be followed).





# BUILT FOR COMPACT EXCAVATORS

Easy-to-use and ready to work, Volvo hydraulic breakers offer consistent impact frequency and power to ensure productivity on any job site. Cushion dampers ensure minimum noise to respect the environment of where you are working, while optimal power and performance is delivered with every strike of the breaker, maximizing your productivity.



#### **Durable by design**

Built with hard work in mind, with a Volvo hydraulic breaker, you can take on the toughest jobs and stay more productive – for longer.

#### **Service with ease**

Complete maintenance tasks with speed and convenience, including easy gas charging.

#### **Volvo Service Network**

There when you need us, Volvo has a comprehensive network to fully support you using local knowledge and global experience.

### **BUILT FOR LARGE EXCAVATORS**

Power, performance and flexibility. Whatever the task at hand, Volvo hydraulic breakers are designed to deliver outstanding results.

#### **The Perfect Match**

From the component design to the perfect balance of weight and power, every detail of the Volvo breaker has been engineered to work in harmony with your Volvo excavator.

# Engineered for excellence

## Lubrication system

The lubrication system keeps the breaker appropriately greased to ensure optimum functionality. Choose between a manual or automatic lubrication system.

## Large extra strong tie rods

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, helping to prolong time between services.

## High tensile bushes

The high tensile bushes provide a longer component lifetime and lower maintenance costs.

## Easy access gas charging port

Recharge the gas without needing to dismantle the breaker, providing more speed and ease, keeping uptime to a maximum.

## Durable fully-sealed housing

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

## Heavy duty tool pin

The extra thick tool pin offers outstanding durability and breaking performance in even the most demanding conditions.

## Diaphragm and accumulator

A large capacity accumulator absorbs pressure fluctuations during breaking to protect hydraulic components, extending the lifetime of the hydraulic pump on the Volvo excavator.



# Built to perform

## Here to support you

Here when you need us, your local Volvo dealer is on hand to support you with product advice, parts availability, maintenance and more.

## Versatile performance

With an extensive selection of available work tools, your Volvo hydraulic breaker can take on a wide range of jobs both within and between sites.

## Ready to work

Volvo hydraulic breakers are supplied as an all-in-one package, including your choice of hoses, bracket and tools, so you can get straight to work.

## Service with ease

Maintain your Volvo breaker with speed and ease, including easy gas charging, a supplied tool box and a bush measuring jig.

## BUILT FOR COMPACT EXCAVATORS

Easy-to-use and ready to work, Volvo hydraulic breakers offer consistent impact frequency and power to ensure productivity on any job site.

## Cushion dampers

The cushion damper reduces noise and vibrations. Less vibration reduces potential damage of the excavator boom and arm, while increasing operator comfort.







**Large capacity accumulator (HB06 / HB08)**

Matched to your Volvo machine, the large capacity accumulator safeguards both machine and breaker hydraulic systems against potential pressure spikes.

**Strong diaphragm (HB06 / HB08)**

The heavy-duty, extra thick design of the diaphragm increases component lifetime and reduces servicing requirements.

**Two-speed control (HB08 only)**

Dual speed allows the operator to choose the best frequency for the application while increasing your machine's productivity.

**High tensile bushes**

The high tensile bushes provide a longer component lifetime and lower maintenance costs.

**Serial number location**

The serial number is conveniently located on the top exterior of the breaker housing so you can quickly find a product reference when speaking to your dealer.

**Durable housing design**

With a narrow design for greater versatility on-site, the durable, fully sealed housing protects the power cell, prolonging its lifespan.

# Specifications

**BREAKER FACELIFT SPECIFICATION TABLE (HB TOP MOUNT TYPE)**

Description		Unit	HB02	HB03	HB06	HB08	HB14	HB15	HB18	HB21
Operating weight**		kg	150	175	325	637	1 088	1 238	1 521	1 739
Overall length with direct fit bracket and tool		mm	1 334	1 442	1 610	2 121	2 285	2 389	2 602	2 725
Tool diameter		mm	57	57	70	90	105	115	125	135
Sound power level (Directive2000/14/EC)		dB(A)	110	110	117	118	124	124	124	124
Operating pressure		Mpa	9 - 12	9- 12	11 - 16	14 - 17	14-19	14-19	13-19	16-19
Oil flow		lpm	19-38	23-70	29-65	42-94	68-119	85-127	95-140	115-155
Blow rate	Low speed	bpm	450-1 000	600-1 500	380-1 000	380-900	350-550	350-550	320-480	320-480
	High speed	bpm	-	-	-	490-1 010	600-900	400-700	400-650	400-600
Automatic Lubrication			No	No	No	No	Option	Option	Option	Option
Suitable carrier		ton	1.0-3.0	1.5-4.0	3.0-6.5	6.0-10.0	10-15	12-18	16-22	18-24
			<b>HB22</b>	<b>HB25</b>	<b>HB30</b>	<b>HB36</b>	<b>HB38</b>	<b>HB48</b>	<b>HB75</b>	
Operating weight**		kg	1 944	2 120	2 729	3 090	3 785	4 207	7 383	
Overall length with direct fit bracket and tool		mm	2 793	2 953	3 045	3 173	3 398	3 611	4 355	
Tool diameter		mm	135	145	150	155	165	175	205	
Sound power level (Directive2000/14/EC)		dB(A)	124	125	125	126	126	126	127	
Operating pressure		Mpa	16-19	16-19	16-19	16-19	15-19	15-19	17-21	
Oil flow		lpm	120-170	127-178	153-204	170-238	165-255	204-300	350-420	
Blow rate	Low speed	bpm	340-450	270-400	250-380	230-400	225-350	230-330	280-350	
	High speed	bpm	420-550	330-500	330-450	270-470	270-410	270-500	320-520	
Automatic Lubrication			Option	Option	Option	Option	Option	Option	Option	
Suitable carrier		ton	20-26	24-30	25-36	28-42	34-50	40-60	60-100	

\*\* Operating weight including hoses, tool and bracket. Bracket weight varies depending on the interface type and the machine model so the average weight is used for the operational weight.

-- HB02, HB03, HB06: BODY + HOSE + BB(DIRECT)

-- HB06, HB08: BODY + HOSE + BB(DIRECT) + TOOL(PYARMID MOIL)

-- HB14 to HB75: BODY + ALS(MANUAL) +HOSE + BB(DIRECT) + TOOL(PYARMID MOIL)

## BREAKER BRACKETS

Bracket types	Excavators			Compact Excavators		
	Direct fit / UQC	Symmetrical type (S60, S70, SQ60-5, SQ65, SQ70, SQ70/55)	S-type (S1, S2, S3)	Direct fit / UQC	Symmetrical type (S30, S40, S50)	Lehnhoff type
Machine range	EC140-EC750	EC140-ECR355	EC160-EC480	EC15-ECR88		
	EWR150-EW220	EWR150-EW220	EW160-EW220			

## BREAKER TOOLS

	Tool types					
	Pyramid Moil	Moil point	Chisel transversal	Blunt	Compacting plate	Spade
Excavators	•	•	•	•		
Compact Excavators	•	•	•	•	•	•

**BREAKER SOLUTION FOR A WIDE RANGE**

Machine models	HB02	HB03	HB06	HB08	HB14	HB15	HB18	HB21	HB22	HB25	HB30	HB36	HB38	HB48	HB75
EC15D, EC15E, EC18D, EC18E, ECR18E, EC20D, EC20E	•														
EC27C, EC27D, ECR25D, EC35D, ECR35D, ECR40D,		•													
ECR50D, EC55B, EC55C, ECR58D, EW60C, EW60E, EC60E			•												
ECR88, ECR88D				•											
EC120D, ECR145C, ECR145E, EC140D, EC140E, EW145B, EWR150E					•										
EC120D, ECR145C, ECR145E, EC140D, EC140E, EW145B, EWR150E						•									
EC160D, EC160E, EC180D, EC170D, EC180E, EW160D, EW160E, EWR170E, EW180D, EW180E, EW205D, EW210D, EW220E							•								
EC210B, EC210D, EC220D, EC200E, EC220E, EC235C, EC235E, EW210D, EW230C, EW220E, EW205D								•							
EC210B, EC210D, EC220D, EC200E, EC220E, EC235C, EC235E, EW210D, EW230C, EW220E, EW205D									•						
EC250D, EC250E										•					
EC290B, EC300D, EC300E, ECR355E, ECR305C											•				
EC350D, EC350E												•			
EC380D, EC380E													•	•	
EC480D, EC480E															•
EC700C, EC750D, EC750E															•



Apple App Store QR code



Google Play Store QR code

**Attachment Selector Tool**

Our free selector tool is compatible with iOS and Android smartphones. The tool talks users through a straightforward selection process providing valuable information to enable users to quickly choose the right attachment for their Volvo machine. Available online or offline, the app is truly mobile meaning users can access it whether they are in the office or out in the field. Simply scan the QR codes below with your smartphone to get the free Attachments Selector Tool for iOS or Android.

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.

**VOLVO**

**Volvo Construction Equipment**

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