

**VOLVO COMPACT EQUIPMENT  
HYDRAULIC BREAKERS**

# **HB100, HB150, HB200 HB300, HB440, HB450**



**MORE CARE. BUILT IN.**



# THE ONLY BREAKERS BUILT TO VOLVO STANDARDS

Engineered for optimum compatibility with Volvo equipment, the HB100, HB150, HB200, HB300 and HB450 breaker range combine excellent operating performance with low noise and vibration levels. The HB440 is purpose designed for Volvo Backhoe Loaders, and offers outstanding performance. Designed to reduce maintenance and whole life operating costs, all HB breakers are built to exacting Volvo standards.

## Performance and productivity

At the heart of an HB breaker is a heavy, long stroke piston. This ensures 100% of hydraulic power is converted into striking force. Low and high pressure accumulators control the piston so its recoil energy on the HB200, HB300, HB440 and HB450 is absorbed and recycled to increase force on the power stroke. The result? More power and performance with less noise and vibration. The impact rate can be controlled to match the application.

## Reliable and simple to maintain

The way in which HB breakers are designed ensures wear and maintenance are minimised. The heavy duty housing is extremely robust, but can be quickly removed for servicing. The tool locking pivot is over sized for durability. The lower tool bushing incorporates a wear indicator and grease retention grooves. It features an easy fit to allow for expansion and is easy replaced in the field.

## Quiet and versatile operation

Complying with EC noise directive 2000/14/CE, HB100, HB150, HB200, HB300 and HB450 breakers can be used in indoor applications or noise sensitive environments. Of equal importance, these high-performance breakers can help reduce overall noise levels in the working environment, benefitting the machine operator and third parties.

HB200, HB300 and HB450 can also be operated in water.

## Designed for a perfect fit

HB breakers are supplied complete with hoses and mounting bracket. This ensures they are a perfect match and easy fit for Volvo COE equipment. The connection hoses are of the correct length and capacity to match the hydraulics. The attachment points are engineered for strength and longevity. HB breakers and Volvo Equipment make perfect partners. HB440 breaker is optimised to work with Volvo Backhoe Loaders.

Volvo HB breakers. Quality, performance and low noise come as standard.



- Low noise and vibration



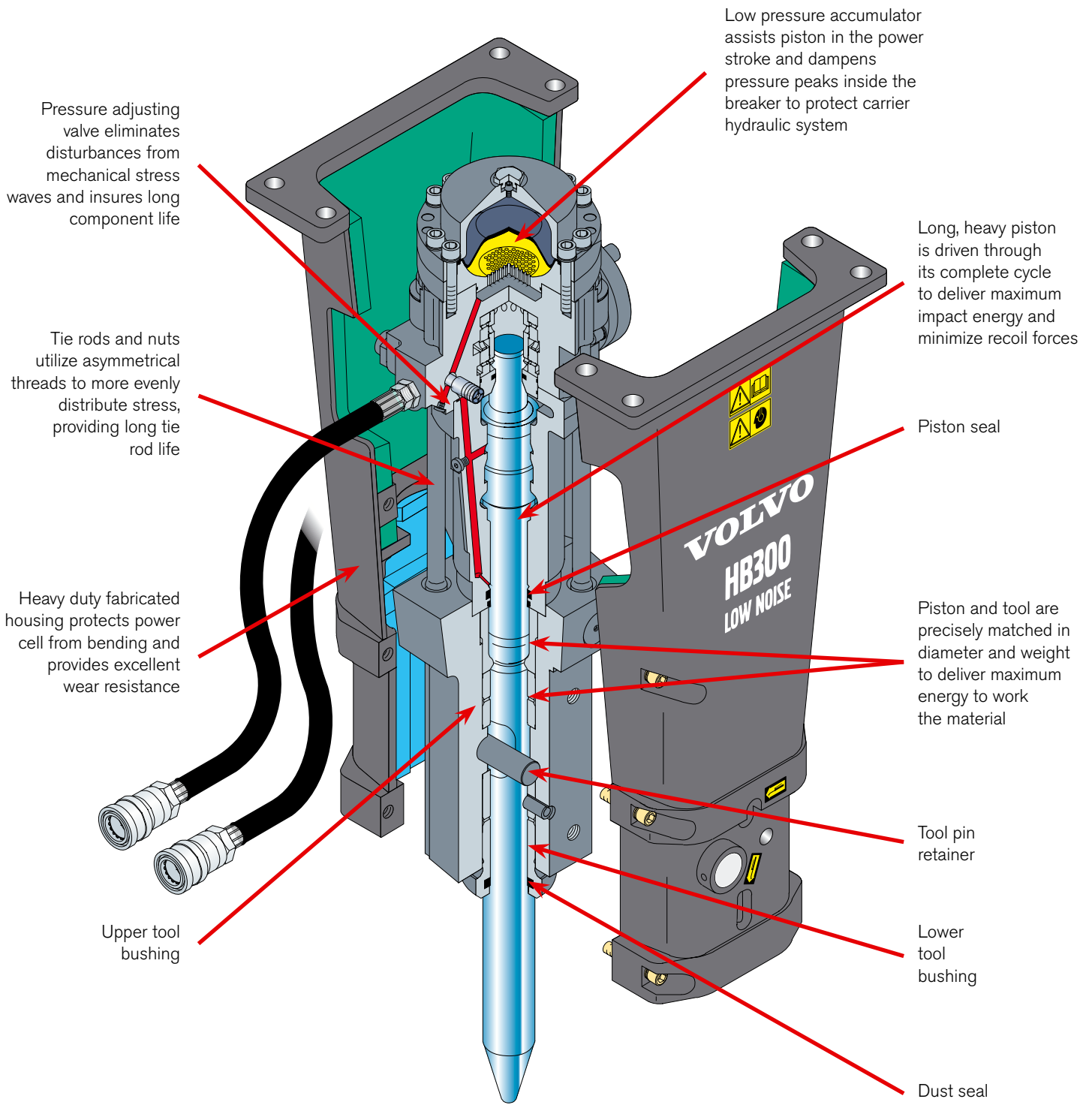
- High performance for optimum productivity



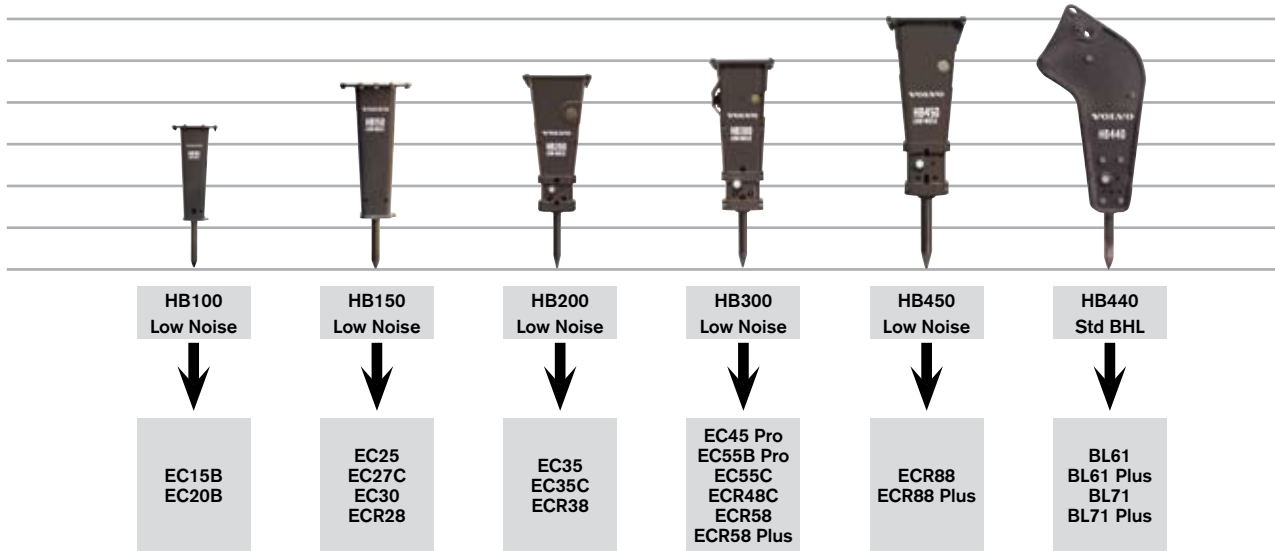
- Low maintenance for reduced whole life costs



- Reliable and versatile









# SPECIFICATIONS



## Hydraulic breakers :

Description	Unit	HB100 Low Noise	HB150 Low Noise	HB200 Low Noise	HB300 Low Noise	HB450 Low Noise	HB440 Std BHL
Working weight	kg	105	165	220	315	450	440
Oil flow range	lpm	23-40	30-50	20-70	25-100	50-150	50-150
Operating Pressure	Mpa	8-12	8-12	8-11	10-14,5	10-13	10-13
	bar	80-120	80-120	80-110	100-145	100-130	100-130
Max back pressure	Mpa	3	2,5	3	2	3	3
	bar	30	25	30	20	30	30
Impact Rate	bpm	800-1200	800-1200	450-1800	400-2000	600-1800	600-1800
Noise Level (Rule 2000/14/CE)	dB(A)	115	118	118	121	127	134

## Tools :

Tools Hydraulic Breaker		HB100 Low Noise	HB150 Low Noise	HB200 Low Noise	HB300 Low Noise	HB450 Low Noise	HB440 Std BHL
 <b>Moil point</b>	Diameter mm	48	54	50	63	70	70
	Total length mm	475	503	530	680	730	730
	Working length mm	160	173	260	365	355	355
	Weight kg	6	8	7,6	15	20	20
 <b>Chisel parallel to the boom</b>	Diameter mm	48	54	50	63	70	70
	Total length mm	475	503	530	680	730	730
	Working length mm	160	173	260	365	355	355
	Weight kg	6	8	7,6	15	20	20
 <b>Chisel transverse to the boom</b>	Diameter mm	48	54	-	-	-	-
	Total length mm	475	503	-	-	-	-
	Working length mm	160	173	-	-	-	-
	Weight kg	6	8	-	-	-	-
 <b>Shovel parallel to the boom</b>	Diameter mm	48	54	50	63	70	70
	Total length mm	475	503	530	600	730	730
	Tool width mm	160	173	120	120	200	200
	Weight kg	8	11	10	12	29	29
 <b>Shovel transverse to the boom</b>	Diameter mm	48	54	50	63	70	70
	Total length mm	475	503	530	600	730	730
	Tool width mm	160	173	120	120	200	200
	Weight kg	8	11	10	12	29	29
 <b>Compacting plate</b>	Diameter mm	-	-	50	63	70	70
	Total length mm	-	-	460	570	610	610
	Plate diameter mm	-	-	250	250	330	330
	Weight kg	-	-	22,7	30	54	54



- Perfect and easy fit
- HB440 optimised for BHL
- Ideal for noise sensitive environment





Volvo Construction Equipment is different. It's designed, built and supported in a different way. That difference comes from an engineering heritage of over 170 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo. And we're proud of what makes Volvo different – **More care. Built in.**



*All products are not 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.*

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