H25D, H35D S, H45D S, H55D S, H65D S

Hydraulic Hammers for Micro- and Mini Excavators



FeaturesBenefitsHigh Oil Flow AcceptanceThe hammer has a high frequency and high productivity to get the job done fast.
Due to the wide oil flow acceptance range, the hammer can be used across a wide range
of carrier brands for maximum utilization within a mixed carrier fleet.Less PartsOwning and operating costs are minimized. Wear parts are field replaceable without the need
for special tools thus minimizing downtime and increasing up time and productivity.6-Piece Isolation SystemIsolates vibration transmitted to the carrier via stick and boom for machine protection
and operator comfort (excl. H25D).Silenced as StandardFor operation in residential and noise-sensitive applications where compliance with regulations
must be met (excl. H25D).



Hydraulic Hammers for Micro- and Mini Excavators

1 Integral Mounting Arrangement (H55D S / H65D S Pin-On) – optimum compatibility with Cat Mini-Excavators. Compatible with Caterpillar pin grabber quick coupler system.

2 Flat Top Mounting (H35D S / H45D S / H55D S / H65D S) – design to accommodate brackets and dedicated quick couplers.

3 One Piece Body – reduces components and eliminates tie rods and nuts.

4 Low Pressure Tubular Accumulator – assists in the power stroke of the piston.

5 Distributor – high oil volume for greater blow frequency.

6 Pressure Adjusting Valve (PAV) – assures that all blows are delivered at a constant blow energy.

7 Piston – long heavy piston delivers maximum impact energy and minimizes recoil forces to carrier.

8 Cylinder Sleeve – provides replaceable and economical protection for the cylinder.

9 6-Piece Isolation System – significantly reduces shock loads transferred to the machine during hammer operation, to improve operator comfort and extend life of critical machine components.

 ${\bf 10}\ {\bf Round}\ {\bf Tool}\ {\bf Retaining}\ {\bf Pin}-{\rm simple}\ {\rm design}\ {\rm allows}\ {\rm for}\ {\rm rapid}\ {\rm tool}\ {\rm and}\ {\rm bushing}\ {\rm removal}\ {\rm and}\ {\rm replacement}.$

11 Single Bushing Design – slip fit field replaceable one piece bushing (includes lower, upper and thrust ring).

12 Bushing Dust Seal – prevents contamination of grease and extends life of wear components.

13 Tool – heat treated for longer life, ideally matched to piston for greater transfer of energy.

14 Enclosed Housing with Dampers – provides protection to the power cell and provides noise reduction.



H25D

The H25D hammer is an side-plated micro hammer with a noise level of 121 dB(A) providing superior performance when operated with the Caterpillar 300.9D machine





H55Ds, H65Ds Pin-On



Applications Guide with Standard Tools



Demolition/housing development Demolition of concrete walls, roofs, floors C,M* C,M C,M C,M C,M Demolition of light, reinforced concrete foundation (<.5 m) M* Μ Μ Μ Μ Brick walls C,M* C,M C,M C,M C,M Separating rebar from concrete (for recycling) C,M* C,M C,M C,M C,M **Metallurgical applications** Breaking of refractory linings in furnaces C,M* C,M C,M C,M C,M

*Tool Moil is option

Specifications		H25D	H35D S	H45D S	H55D S	H55D S	H65D S	H65D S
•					Flat-top	Pin-on	Flat-top	Pin-on
Recommended carrier weight	tonnes	0.8-1.1	1.1-2.4	1.5-3.2	2.5-6.0	2.5-4.5	4.5-9.0	3.0-6.5
Working weight*	kg	70	103	145	250	199	385	271
Impact frequency	bpm	1000-1900	800-2900	900-2500	1022-2300	1022-2300	700-2000	700-2000
Acceptable oil flow	liter/min	15-25	12-35	25-55	40-85	40-85	40-105	40-105
Operating pressure	bar	120	165	165	170	170	170	170

* Working weight includes hammer, standard tool and average mounting group, if required.



H25D, H35D S, H45D S, H55D S, H65D S Hydraulic Hammers

Dimensions

		H25D	H35D S	H45D S	H55D S	H55D S	H65D S	H65D S	
					Flat-top	Pin-on	Flat-top	Pin-on	
Α	mm	220	320	330	444	429	535	454	
В	mm	263	280	280	286	300	415	300	
C	mm	574	621	713	827	997	895	1055	
D	mm	36	40	48	56	56	65	65	
Ε	mm	207	221	233	298	299	330	330	

H55D S, H65D S Pin-On



Hydraulic Requirements Combined tool control, one way auxiliary lines.

Matching Guide

Hammer	Mini Excavators				
H25D	300.9D				
H35Ds	301.4C, 301.6C, 301.8C				
H45Ds	301.6C, 301.8C, 302.5C				
H55Ds	302.5C, 303C CR, 303.5C CR				
H65Ds	303C CR*, 303.5C CR, 304C CR, 305C CR				

* Installation of add-on optional, counterweight to machine is required.



H35D S, H45D S, H55D S, H65D S Flat-top



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