

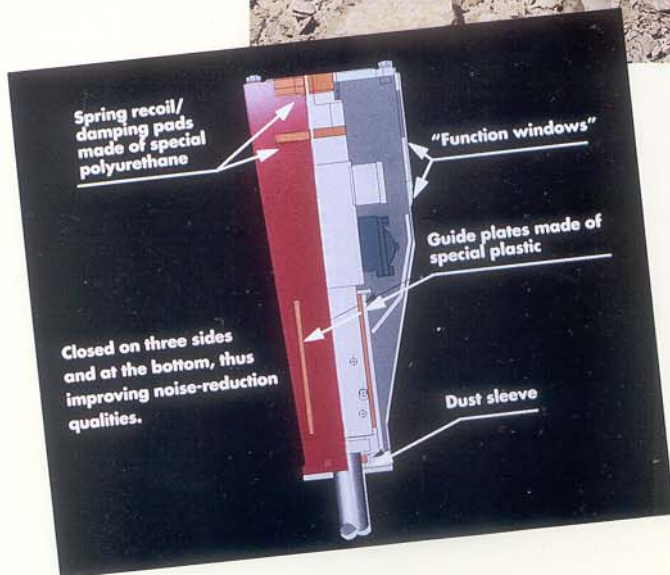


HY-RAM[®]

ALLIED'S BOOM MOUNTED HYDRAULIC IMPACT HAMMERS



Model 770CS



Model 770CS

& Model 750CS

The most recent additions to Allied's popular CS series...

Allied's new 750CS and 770CS Hy-Ram breakers retain the high single blow energy of their original models that set performance standards in the industry while incorporating advantages of the superior "CS" design. The result: breakers with unmatched productivity plus lower noise levels, simplified maintenance and longer service life.

Compact system design

The 750CS/770CS models are rated in the 2000 and 3000 ft./lb. impact energy classifications respectively. For the first time, these medium size breakers are housed in Allied's tried-and-tested 'compact system.' This means that the Hy-Ram's internal working body is suspended inside a full box enclosure. The box isolates vibration forces and noise significantly, allowing the hammer to work more efficiently and quietly.

All connections for operation are on the side of the box that faces the carrier. A function window there provides access for routine maintenance. Wear-resistant polyurethane cushions inside the box — two located in the front and rear of the hammer body, another positioned on top — also dampen recoil and minimize noise.

Dust sleeves another first

The CS system on the 750CS/770CS models is closed at the bottom where an additional dust sleeve is fitted over the tool, extending into the hammer body. The sleeve prevents dust penetration. This reduces contamination and wear while extending bushing and tool life. The dust sleeve also retains tool lubricant inside the body where it's kept clean. And under higher operating tempera-

tures, it will help keep the lubricant from running out of the friction area.

New lubrication system

The 750CS/770CS Hy-Rams utilize a pair of upper and lower tool bushings that are separately and equally supplied with lubricant. An extra long lubricant bore in the side of the hammer body passes through the cylinder cover, then the cylinder itself, as it delivers lubricant to the bushings.

Each bushing has a ring groove that retains the lubricant. Inlet bores between the tool and bushings are positioned in the direction of operation of the hammer, where the greatest stress occurs. This lubrication system lengthens the service life of the hammer tool and bushings considerably.

Universal mounting bracket

All CS Hy-Rams utilize a universal top bracket cap for mounting to carriers. With this bracket, it's possible to change hammers or carriers simply by changing bushings, pins and spacers. In fact, the bracket has the same bolt pattern for the 750CS/770CS models.

Standard Hy-Ram features...

The long piston stroke, a feature on all Allied hydraulic breakers, ensures that recoil forces on the boom are kept to a minimum. Also standard: the automatic shutoff switch and two-speed blow frequency which can be easily adjusted from the operator's cab.

For all types of breaking

Road construction, foundation work, pipeline trenching; bridge and building demolition; quarry and mining; underwater applications too.

AT A GLANCE...

Universal applications
New lubrication system
Outstanding productivity
Increased service life
Minimum noise and vibration

Specifications	Model 750CS	Model 770CS
Impact Energy Class	2000 ft./lbs.	3000 ft./lbs.
Two-Speed Frequency	550/1100 bpm	450/900 bpm
Hydraulic Flow	32 gpm/120 lpm	45 gpm/170 lpm
Operating Pressure	2250 psi/150 bar	1740-2030 psi/ 120-140 bar
Gross Weight (includes adapter bracket & tool)	2798 lbs./1267 kg.	3504 lbs./1587 kg.
Overall Length (with tool)	95.5 in./2426mm.	102.5 in./2603.5mm.
Std. Demolition Tool*	Cross-Cut	Cross-Cut
Tool Diameter	4.5 in./114mm.	5.3 in./135mm.
Tool Length	20 in./508mm.	24 in./610mm.
Tool Weight	160 lb./73 kg.	227 lbs./130 kg.
Carrier Weight	30,000-60,000 lbs.	40,000-100,000 lbs.

* In-line chisel, conical point, offset wedge, blunt and bell tools also available.

NOTE: Spacing inside bracket and standard boom pin diameter vary with machine.

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