



Street Hammer™

Allied's AS Series Street Hammer™ hydraulic impact hammers

The AS Series Street

The concept of the high performance boom-mounted hydraulic hammer was pioneered by Allied Construction Products, LLC. The development of the Allied hydraulic impact hammer concept is legendary in the demolition industry that demands reliability.

Allied, which continues to lead the demolition industry, has introduced another new concept with the AS Series Street Hammer hydraulic impact hammers.

The hammer line comes from a long line of hard-hitting Allied hammers and is ready to take on the nastiest of jobs. Although the Street Hammers run quieter because they're built into a box, the Street Hammers can still pound out city concrete or country trench rock with the best of them.

The AS Series hammers have earned the name Street Hammer to describe their "street tough" temperament as they take on and demolish materials like concrete structures, trench rock, building foundations, pavement and bridge decks.

Mounted on skid-steers, rubber-tired loader/backhoes or mini-excavators, the Street Hammers offer machine operators greater visibility, easier maintenance, reduced noise levels and improved lubrication access.

The AS Series Street Hammers feature:

Simple Design

They're easy to maintain as there are no tie rods to break. And, they're easy to rebuild as there is a one-piece, floating bushing with an integral impact ring and a patented cylinder body design.

Box Enclosure

A rugged steel box enclosure offers complete protection of the hammer body, while its sleek-look gives the operator greater visibility. With the steel box, there are no side plates, no expensive side bolts to break from fatigue, no large bolts to re-torque during assembly and disassembly and no large bolts to loosen during operation.

Easy Start Operation

Operating in almost any position, their easy to start operating principal allows the hammer to be started with minimal downpressure. The Easy Start mode can be helpful when breaking oversize material, scaling and demolishing unstable structures.

Improved Lubrication Access

Standard lubrication is completed through a protected lower grease port that goes directly into the wear bushing. An alternate lubricant hose can be run inside the length of the hammer box for top-down lubrication offering a convenient port for attaching remote lubricators like Allied's AutoLube II™ and AutoLube Carrier Mounted Lubrication (CML) II System™.

Noise Suppression

Responding to the environmental issue of reducing noise levels in the urban environment and many job sites, the sound generated by the percussion mechanism is absorbed and vibration is prevented from being transferred to adjoining assemblies (see Noise Levels on back cover).

The Allied Street Hammers are available in 5 different models ranging from working weights of 265 to 985 pounds and tool diameters of 1.65 to 3.15 inches. All Street Hammers have energy ratings that are in accordance with the Certified AEM (formerly CIMA) Tool Energy Rating method.

A customized installation kit from Allied provides components for mounting Street Hammers on skid-steers, rubber-tired loader/backhoes or mini-excavators. Allied offers over 2,500 installation kits to fit virtually every make and model carrier.

Whatever the city or country application, whatever the demands, Allied's Street Hammers will stand the toughest challenge. Allied's Street Hammers hit the streets running.

Street Hammer™ Model AS 362 ➤



Street Hammer™ Model AS 370 ➤

The mounting bracket above (available on all AS Series models)

Hammer™ hits the streets running.

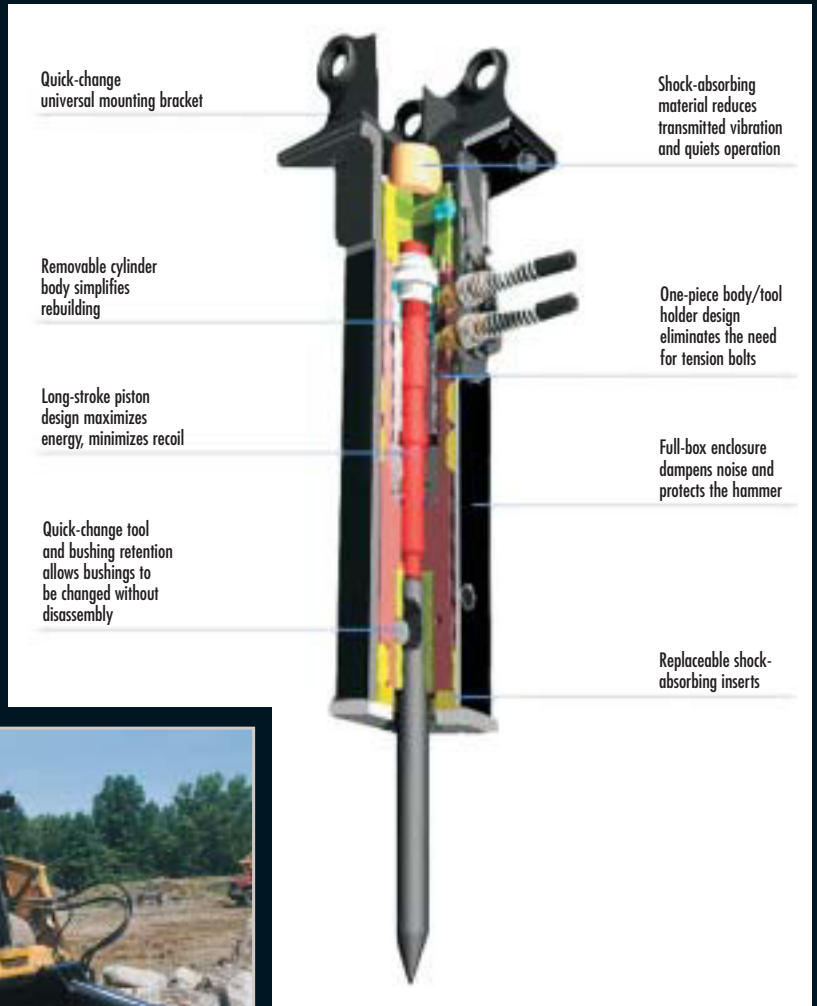


▲ Street Hammer™ Model AS 380

accommodates a pin grabbing quick-coupler.



▲ Street Hammer™ Model AS 352

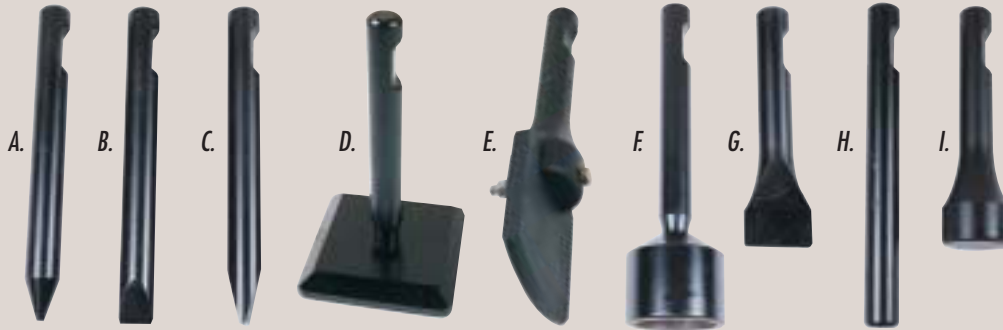


▼ Street Hammer™ Model AS 370 ►



▲ Street Hammer™ Model AS 342

Demolition Tools and Accessories



A. The **Conical Tool** is extremely useful when solid materials are being broken. With no seam or relieved sections to break toward, the “pencil” point easily penetrates materials because its shape allows trapped dust to escape on all sides of the tool.

B. The **Cross-Cut Chisel** is the most commonly used demolition tool because it is compatible with a wide variety of rocks and concrete. It lends itself to following the seam of materials to accelerate the breaking action.

C. The **In-Line Chisel** demolition tool, which breaks trench rock and concrete, has all the features of the Cross-Cut Chisel, but its chisel is positioned “in-line” with the carrier. As a result, it creates a break in the same direction as the carrier is traveling.

D. The **Soil Tamper Assembly** provides a large, flat surface that transfers the hammer’s impact energy to the soil for easy and efficient compaction.

E. The **Asphalt Cutter Assembly** is designed to quickly and efficiently cut seams in asphalt for removal. This demolition tool is extremely useful when removing asphalt to dig a trench.

F. The **Post Driver Assembly** is configured to easily position and install post material. This specialty tool is designed to accept the post within an internal cavity for support and alignment throughout the driving process.

G. The **Frost Cutter** has a wedge-shaped working end that is considerably wider than the shank of the tool which allows easy penetration into frozen soils and asphalt surfaces.

H. The **Blunt Tool** has a large, flat surface on the working end which increases stability when breaking brittle surfaces like concrete and mastic materials. It is designed to crack materials without penetration. The impact force is applied in all directions causing multiple fractures in the material.

I. The **Bell Point** demolition tool offers all the advantages of the Blunt Tool, but with significantly increased surface contact due to its larger outside diameter. It is used to limit penetration and to distribute breaking forces over a greater surface area.

The demolition tools are representative of typical Street Hammer tools and may vary according to model.



The **AutoLube II™** provides lubrication of the Street Hammer hydraulic impact hammers with a compact cartridge mounting on the hammer. Each time the hammer is activated, the pressure from the carrier’s hydraulic system pulls the lubricant from the cartridge and dispenses it around the demolition tool and wear bushings. The simple design, which has one moving part, is mounted with a bracket that is welded to or near the CS Box.



The **AutoLube Carrier Mounted Lubrication (CML) II System™** provides easy lubrication maintenance for the Street Hammer hydraulic impact hammers with a convenient mounting near the cab. Each time the hammer is activated, an electric-powered pump moves chisel paste to the hammer tool holder through the lubricant feed hose. As the hammer continues to operate, the AutoLube CML II System provides continuous lubrication to the demolition tool and wear bushings.



The external **Control Valve**, included with select AS Series hammers (Model 342 and Model 352), will regulate the input oil flow and hydraulic pressure to assure maximum performance and reliability.

Street Hammer™ Specifications

Model Mounting Group		AS 342 SSU and XCS	AS 352 SSU and XCS	AS 362 SSU and BCS	AS 370 SSU and BCS	AS 380 SSU and BCS
Operating Ranges						
Frequency	bpm	560-1,700	670-1,450	520-1,150	530-1,150	550-1,000
Hydraulic Flow Required	gpm	4-9	8-13	9-16	12-20	16-24
	(lpm)	(15-35)	(30-50)	(35-60)	(45-75)	(60-90)
Hydraulic Pressure	psi	1,600-1,900	1,600-2,000	1,600-2,000	1,450-2,000	1,750-2,200
	(bar)	(110-130)	(110-140)	(110-140)	(100-140)	(120-150)
Working Weight	lbs.	600 (SSU)	700 (SSU)	835 (SSU)	915 (SSU)	1,370 (SSU)
	(kg)	(272)	(318)	(379)	(415)	(621)
Overall Length	in.	47.0 (SSU)	53.5 (SSU)	57.0 (SSU)	62.3 (SSU)	68.8 (SSU)
	(cm)	(120)	(136)	(145)	(158)	(175)
Working Weight	lbs.	265 (XCS)	360 (XCS)	535 (BCS)	660 (BCS)	985 (BCS)
	(kg)	(120)	(163)	(243)	(299)	(447)
Overall Length	in.	53.4 (XCS)	59.3 (XCS)	58.5 (BCS)	64.3 (BCS)	70.0 (BCS)
	(cm)	(136)	(151)	(149)	(163)	(178)
Standard Demolition Tool		Conical	Conical	Cross-Cut	Cross-Cut	Cross-Cut
Tool Diameter	in.	1.65	2.05	2.44	2.76	3.15
	(mm)	(42)	(52)	(62)	(70)	(80)
Recommended Carrier Weight (Skid-Steer)	lbs.	3,000-6,000	4,000-6,000	5,000-8000	8,000+	8,000+
Recommended Carrier Weight (Backhoe)	lbs.	NA	NA	9,000-12,000	11,000-18,000	12,000-25,000
Recommended Carrier Weight (Excavator)	lbs.	2,000-7,000	4,000-10,000	6,000-14,000	11,000-25,000	15,000-30,000
Measured Values						
Energy Rating*	ft. lbs.	105	204	290	370	522
	(joules)	(142)	(277)	(393)	(502)	(708)
Frequency	bpm	1,625	1,349	1,304	1,228	982
Hydraulic Flow	gpm	9.3	13.2	15.9	19.9	23.5
	(lpm)	(35)	(50)	(60)	(75)	(89)
Supply Pressure	psi	1,874	1,964	1,967	1,976	2,172
	(bar)	(129)	(135)	(136)	(136)	(150)
Noise Levels						
Distance required for 85 dB(A)	ft.	13	16	20	20	23

*The hammer energy rating is in accordance with the Certified AEM (formerly CIMA) Tool Energy Rating method.

Mounting Type Descriptions:

- SSU-Skid-Steer Universal Mounting
- XCS-Mini-Excavator Top-Mounting
- BCS-Backhoe Top-Mounting

For sales and service, contact your Allied Distributor:



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