



**Hy-Ram<sup>®</sup>**

Allied's Model 711B and Model 715B hydraulic impact hammer mounting configurations

## Compatibility Chart

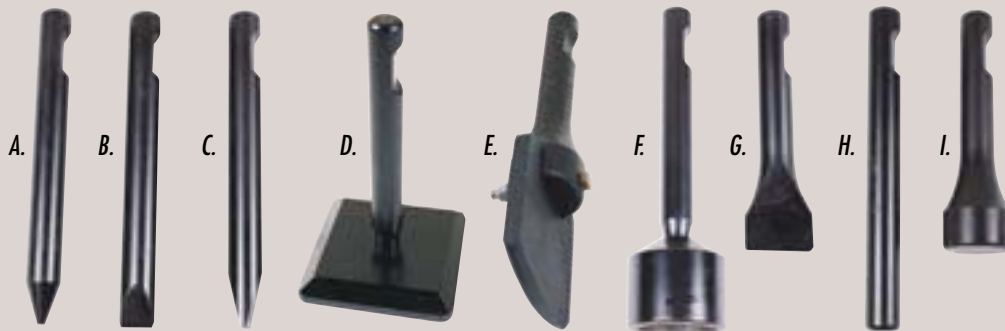
Small hydraulic impact hammer mounting configuration compatibility, demolition tools and accessories.

Model	711B	715B
Backhoe Mounting Configuration	•	•
Mini-Excavator Package (Various mounting pin kits available)	•	•

Skid-Steer Package Two-Position Bracket Options:

Skid-Steer Package	•	•
Mini-Excavator Series (MXS) Conversion Kit	•	•
Light Series (LTS) Backhoe Conversion Kit	•	•
"Non-Universal" for Specific Manufacturers Models	•	•

## 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 magnetic 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. \*Relieved Moil (similar to the Conical Tool), which utilizes four relieved areas for dust and debris to escape, is also available.

The demolition tools are representative of typical Hy-Ram tools and may vary according to model.



The concept of the high performance boom-mounted impact hammer was pioneered by Allied Construction Products, Inc. Today, the Hy-Ram® hydraulic hammer features the same simple, proven design. With ongoing improvements, the Allied Hy-Ram maintains its popularity with contractors in the construction equipment industry.

As attachment use increases, Allied continues to lead the industry with product improvements. Allied's newest product development is the mounting configurations for the small hammers which include the Model 711B and Model 715B.

Allied's small hammers reflect high performance, continuous reliability and increased versatility:

- "Easy-start" with minimal downpressure increases production especially for skid-steers and mini-excavators.
- Long-stroke design minimizes recoil, reduces vibration and eliminates mechanical springs.
- Two-position skid-steer bracket is changed quickly and easily by moving positioning pin by hand.

Today, with the expansion in the marketplace, compact size machines like backhoes, mini-excavators and skid-steers are being used more to compete with larger machines. In the Allied tradition, the Model 711B and Model 715B are easily changed between backhoes, mini-excavators and skid-steers with new mounting bracket configurations and two-position brackets for increased productivity.

Allied features a Backhoe Mounting Configuration, a Mini-Excavator Package, a "Universal" Skid-Steer Package and three alternate Skid-Steer mounting variations.

### **Backhoe Mounting Configuration**

Includes hammer, demolition tool, Light Series (LTS) side plates, pins and connecting hoses.

Compatibility: Model 711B and Model 715B.

*A hydraulic installation kit is required and additional mounting components may be needed for specific loader/backhoes (mounting kit).*



### **Light Series (LTS) Backhoe Conversion Kit with Two-Position Bracket**

Allows hammer with backhoe Light Series (LTS) side plates to be mounted on skid-steer with Light Series (LTS) mounting pins, hydraulic control valve and connecting hoses.

Compatibility: Model 711B and Model 715B.



# Allied's mounting configurations for small hammers.

## *Skid-Steer Package*

Includes hammer, demolition tool, two-position bracket for "universal" mount, hydraulic control valve and connecting hoses.

Compatibility:  
Model 711B and Model  
715B.



*No additional mounting or hydraulic installation kit is required.*



## *"Non-Universal" Two-Position Bracket for Specific Manufacturers Models*

The "non-universal bracket" is an alternative, customized arrangement.

Compatibility: Model 711B and Model 715B.



### ***Mini-Excavator Package***

Includes hammer, demolition tool, mounting side plates and pins, hydraulic control valve and connecting hoses.

#### **Compatibility:**

**Model 711B and Model 715B.**

*No additional mounting or hydraulic installation kit is required for most mini-excavators. Must specify mounting pin diameter.*



### ***Mini-Excavator Series (MXS) Conversion Kit with Two-Position Bracket***

Allows hammer with mini-excavator side plates to be mounted on skid-steer using other pins (supplied) and hydraulic control valve from mini-excavator package.

**Compatibility: Model 711B and Model 715B.**

## Small Hy-Ram® Hammer Specifications

Model		711B	711B	711B	715B	715B	715B
Mounting Group		SSU*	MXS*	LTS*	SSU*	MXS*	LTS*
<b>Operating Ranges</b>							
Frequency	bpm	450-1,150	450-1,150	450-1,150	400-1,150	400-1,150	400-1,150
Hydraulic Flow Required	gpm (lpm)	7-12 (25-45)	7-12 (25-45)	7-12 (25-45)	9-15 (35-55)	9-15 (35-55)	9-15 (35-55)
Hydraulic Pressure	psi (bar)	1,300-1,900 (90-130)	1,300-1,900 (90-130)	1,300-1,900 (90-130)	1,750-2,000 (120-140)	1,750-2,000 (120-140)	1,750-2,000 (120-140)
Working Weight	lbs. (kg)	610 (277)	465 (211)	460 (209)	740 (336)	530 (241)	565 (257)
Overall Length	in. (cm)	51 (130)	45 (114)	45 (114)	61 (155)	62 (157)	62 (157)
Overall Height	in. (cm)	27 (69)	N/A N/A	N/A N/A	30 (76)	N/A N/A	N/A N/A
Space Inside Brackets	in. (mm)	N/A N/A	6.67 (170)	10.25 (260)	N/A N/A	6.67 (170)	10.25 (260)
Mounting Pin Diameter	in. (mm)	N/A N/A	N/A (***)	1.5/1.75 N/A	N/A N/A	N/A (***)	1.5/1.75 N/A
Standard Demolition Tool		Conical	Conical	Conical	Cross-Cut	Cross-Cut	Cross-Cut
Tool Diameter	in. (mm)	2.44 (62)	2.44 (62)	2.44 (62)	2.56 (65)	2.56 (65)	2.56 (65)
Recommended Carrier Weight-Skid-Steer	lbs.	4,000 - 6,000	4,000 - 6,000	4,000 - 6,000	5,000 - 8,000	5,000 - 8,000	5,000 - 8,000
Recommended Carrier Weight-Backhoe	lbs.	N/A	N/A	9,000 - 12,000	N/A	N/A	9,000 - 17,000
Recommended Carrier Weight-Excavator	lbs.	N/A	6,000 - 10,000	6,000 - 10,000	N/A	7,000 - 15,000	7,000 - 15,000
<b>Measured Values</b>							
Energy Rating**	ft. lbs. (joules)	182 (247)	182 (247)	182 (247)	328 (445)	328 (445)	328 (445)
Frequency	bpm	1,048	1,048	1,048	1,176	1,176	1,176
Hydraulic Flow	gpm (lpm)	10.3 (39)	10.3 (39)	10.3 (39)	14.8 (56)	14.8 (56)	14.8 (56)
Supply Pressure	psi (bar)	1,860 (128)	1,860 (128)	1,860 (128)	2,042 (141)	2,042 (141)	2,042 (141)

**\*Mounting Group Style Descriptions:**

SSU – Skid-Steer “Universal”    SS – Skid-Steer “Non-Universal”  
 MXS – Mini-Excavator Series    LTS – Light Series

\*\*The hammer energy rating is in accordance with the Certified CIMA Tool Energy rating method.

\*\*\*Various mounting pin kits available.

For sales and service, contact your Allied Distributor:



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