



# HY-RAM®

MODEL 780

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**ALLIED'S BOOM MOUNTED HYDRAULIC  
IMPACT HAMMER**

# MODEL 780 HY-RAM®

The Model 780 Hy-Ram® is one of Allied's new large size hammers for your toughest jobs. Its reliability and productivity make the Allied Model 780 Hy-Ram® unmatched in its class.

## MODEL 780 FEATURES

- Advanced hydraulic patented design - no need for replaceable body liner or external springs.
- Variable blow frequency - operator can adjust for material and breaking applications.
- Energy recovery system - more productive in hard materials
- Long stroke design - protects boom frame recoil

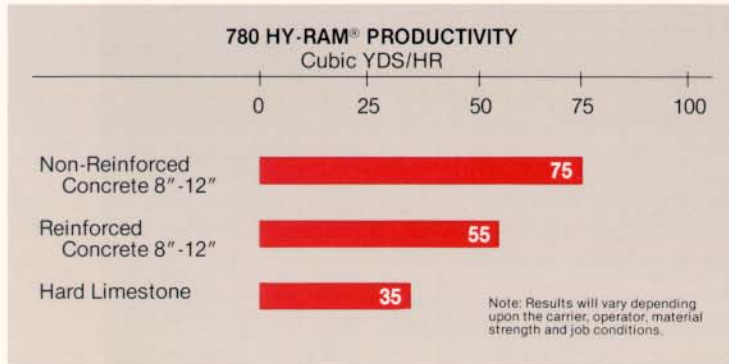
- Single accumulator and replaceable tool holder bushings - less maintenance and downtime costs.

## MODEL 780 APPLICATIONS

The 780 Hy-Ram® handles tough demolition jobs. It productively breaks concrete, hard rock and boulders. The 780 is the hammer you need to break rock with high compressive strengths such as taconite, dense limestone and granite, or industrial materials like ferrochrome or molybdenum. Applications include bridge abutment demolition, heavy foundation excavation and secondary breaking at mines and quarries.

## MODEL 780 INSTALLATION

Medium to large size excavators from 50,000 to 130,000 lbs. can be equipped with a 780 Hy-Ram®. It's one piece mounting bracket fits most carriers. Customized installation kits provide adapter hardware and brackets, if needed. Both cross cut and conical chisels are available. Blunt or bell tools can also be used with the Model 780 for special concrete applications.



## Specifications

## U.S./Metric

Energy Class	5000 ft. lb.
Frequency	450/900 blows per minute
Hydraulic Flow Required	Up to 53 g.p.m./up to 200 l.p.m.
Operating Pressure	2300 to 2600 p.s.i./160 to 180 bar.
Nitrogen Pre-Charge	200 p.s.i./11.5 bar.
Working Weight	4400 lbs./2000 kg.
Overall Length	106 in./270 cm.
Spacing Inside Bracket	16.32 in./41.5 cm.
Boom Pin Diameter	Varies with machine
Standard Demolition Tool	Cross Cut Chisel
Diameter	5-7/8 in./150 mm.
Working Length	26 in./660 mm.

Allied Steel & Tractor Products has a policy of continuous product improvements and reserves the right to change specifications, design or prices anytime without notice or the incurring of any obligations.

## Accessories

- Cross Cut Chisels
- Conical Chisel
- Blunt Tool
- Bell Tool

### NOTE:

The Model 780 Hy-Ram® is also available in a heavy duty version - the Model 781. This model features an abrasion resistant mounting bracket.

For Sales and Service  
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