

Hy-Ram[®]

Allied's all-new HR Series hydraulic impact hammers



The Hy-Ram® hydraulic hammer— traditional, simple and economical.

Allied Construction Products, LLC, which continues to lead the demolition industry, has combined performance, efficiency and reliability in their all-new boom-mounted Hy-Ram impact hammer to offer several design advantages over other hammer manufacturers.

Oil and gas operation: The pressurized nitrogen gas-assist feature improves the efficiency of the Hy-Ram by reducing demand on the carrier's hydraulic system.

BreakerLube® HML: Hy-Rams can also have an optional BreakerLube HML mounted on the hammer housing which dispenses lubricant each time the hammer is activated.

Simple, proven design: The simple design makes the Hy-Rams easy to maintain and increases up-time.

Installation Kits: The Hy-Ram, which operates off of the carrier's hydraulic system, may require an installation kit. Allied offers over 2,500 installation kits to fit virtually every make and model carrier.

Underwater Compatible: Underwater operation is possible by connecting a compressed air source to the port provided and using an Allied Underwater Kit.

The Hy-Ram hydraulic impact hammer is available in 10 different models ranging from working weights of 250 to 8,600 pounds and tool diameters of 1.75 to 7.09 inches.

Hy-Ram® Specifications

| Model | | HR 175 | HR 230 | HR 270 | HR 290 | HR 330 | HR 390 | HR 470 | HR 560 | HR 600 | HR 710 |
|--------------------------------------------|--------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Mounting Type | | XR | XR | BR | BR | SR | SR | MR | MR | LR9 | LR10 |
| Foot Pound Energy Class | ft. lbs. | 250 | 500 | 750 | 1000 | 1400 | 2500 | 3000 | 5000 | 7000 | 1100 |
| Operating Ranges | | | | | | | | | | | |
| Frequency Range | bpm | 700-1,200 | 550-1,000 | 500-1,000 | 460-900 | 400-840 | 450-800 | 450-900 | 400-800 | 250-600 | 200-450 |
| Hydraulic Flow Required Range | gpm (lpm) | 4-10 (15-40) | 8-15 (30-60) | 10-18 (35-70) | 12-23 (45-90) | 12-26 (45-100) | 22-29 (80-110) | 24-36 (90-140) | 34-50 (125-190) | 48-68 (180-260) | 67-87 (250-330) |
| Hydraulic Pressure Range | psi (bar) | 1,160-1,900 (80-130) | 1,310-1,900 (90-130) | 1,380-2,470 (95-170) | 1,380-2,400 (95-165) | 1,890-2,610 (130-180) | 2,030-2,450 (140-170) | 2,180-2,610 (150-180) | 2,320-2,610 (160-180) | 2,320-2,750 (160-190) | 2,320-2,680 (160-185) |
| Working Weight | lbs. (kg) | 250 (110) | 490 (220) | 650 (295) | 950 (430) | 1,260 (570) | 2,320 (1050) | 2,760 (1250) | 3,710 (1680) | 6,620 (3000) | 8,600 (3900) |
| Overall Length | in. (cm) | 36 (91) | 46 (117) | 52 (132) | 59 (150) | 75 (191) | 79 (201) | 86 (218) | 94 (239) | 110 (279) | 127 (323) |
| Standard Demolition Tool | | Conical | Conical | Cross-Cut | Cross-Cut | Cross-Cut | Cross-Cut | Cross-Cut | Cross-Cut | Cross-Cut | Cross-Cut |
| Tool Diameter | in. (mm) | 1.75 (45) | 2.34 (60) | 2.68 (68) | 2.93 (75) | 3.35 (85) | 3.86 (98) | 4.72 (120) | 5.51 (140) | 6.02 (153) | 7.09 (180) |
| Recommended Carrier Weight (Skid-Steer) | lbs. | NA | NA | NA | 8,000+ | 10,000+ | NA | NA | NA | NA | NA |
| Recommended Carrier Weight (Backhoe) | lbs. | NA | NA | NA | 12,000- 25,000 | 14,000- 25,000 | 16,000- 25,000 | NA | NA | NA | NA |
| Recommended Carrier Weight (Excavator) | lbs. | 2,000- 7,000 | 6,000- 13,000 | 8,000- 20,000 | 13,000- 22,000 | 13,000- 26,500 | 20,000- 29,000 | 29,000- 40,000 | 40,000- 55,000 | 62,000- 88,000 | 88,000- 154,000 |



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