Pedestal Breaker System™
Allied’s stationary boom systems

- World-class engineering
- Long-term reliability
- High productivity
- Crew safety
- Three series available
The Allied Pedestal

PowerBoom™ Series
The best power to weight ratio for a 180° swing boom.

- Allied PowerBooms come in 18 standard models with horizontal reach from 10 ft. to 25 ft.
- These units work with hydraulic breakers from 550 ft. lbs. through 3,500 ft. lbs.
- Ideal for portable, mobile or stationary installations utilizing jaw and impact crushers with a vibratory feeder and rock box.
- Designed for concrete and asphalt recycling, limestone, granite or any other operation requiring 180° swing or 190° swing with Type A Series.
- Fully assembled, factory tested, ready to operate when oil and electrical power is added.

Allied has led the field in stationary pedestal boom systems for more than a quarter of a century. This experience, combined with a quality engineered product, ensures that Allied pedestal boom systems will operate under the most severe applications. An Allied system will allow crushers to achieve capacity and improve safety in your mining and quarry applications.

**Allied builds boom systems to last.**

We use high strength, structural grade steel. These tubular steel sections have minimum tensile strengths of 58,000 psi. Allied utilizes large diameter, hardened alloy steel pins and bushings for all pivot points. These carry the torsional and structural loads safely to the base.

Allied assures proper installation by accurately selecting the correct size boom for the job. Proposal drawings illustrate the correct elevation and setback. Operational range diagrams demonstrate the pedestal boom system’s capabilities. Foundation moment and load specifications are also provided.

**Operational-tested. Maintenance training.**
Each pedestal hydraulic system, power unit and attachment is operational-tested and inspected prior to delivery. This guarantees the unit is ready for installation right off the truck. An Allied technical representative provides on-site system operation and maintenance training.

**Reliability. Productivity. Safety.**
Allied pedestal boom systems are at work on mobile, portable or stationary crushing plants in mines, quarries and industrial sites throughout the world. They are built to work three-shift days, even under the most severe conditions. Allied pedestal boom systems are mounted at the primary jaw, impact or gyratory crusher for secondary breaking applications. These systems quickly...
Breaker System™ (With four systems sold by Allied.

PowerPlus™ Series
The heavyweight for a 185° swing boom.

- Allied PowerPlus booms come in 4 standard models with horizontal reach from 20 ft. to 31 ft.
- These are the heaviest booms in the industry for a 185° swing pedestal mounted unit, and are matched to breakers from 1,500 ft. lbs. through 5,500 ft. lbs.
- Ideal for jaw, impact or gyratory crushing plants set-up to handle large trucks with an increased duty-cycle up to 5,500 ft. lb. breakers for the largest, hardest rock.
- Designed for raking bridged material or breaking oversize material.

PowerPortable™ Series
The lightweight system with heavy-duty attributes.

- Allied PowerPortable booms come in 9 standard models with horizontal reach from 8 ft. to 15 ft. with custom configurations available to specifically match an application.
- Turntable-mounted systems provide up to 300° of swing rotation.
- Well-suited to handle hydraulic breakers from 200 ft. lbs. to 1,600 ft. lbs.
- Ideal for portable and mobile crusher applications especially where transport weight and dimensions are a primary concern.
- Specifically-designed power units and hydraulic interface kits that tie into existing crusher hydraulic systems are available.

Product Support and Warranty.
Allied pedestal boom systems are backed by the strongest product support and warranty in the industry.
The Allied Advantage

- Choice of 40 standard models, ranging from 8 ft. to 40 ft. horizontal reach with custom configurations available.
- 180°, 185° (PowerPlus Series), 190° (Type A Series) swing frame or 300° (PowerMax Series) turntable-style.
- Choice of 24 hydraulic impact breakers from 550 ft. lbs. to 7,000 ft. lbs.
- Choice of 5 power units from 30 HP to 100 HP.
- All hydraulic operation.
- Variety of attachments available including Sandvik, AR Series™ and Hy-Ram® breakers, grapples, picks, etc.
- All systems include positioning boom, attachment, operator controls and electric power unit.
- Engineered site analysis and reach drawings for proper system selection.
- Customized unit can be designed and built for specific application.
- Each system is shipped completely assembled and ready to mount onto a structural or concrete base.
- On-site start-up supervision and operator and maintenance training.
- Original parts, technical and product support available through Allied and Authorized Distributors.
Many standard features and options to choose from:

Sandvik, AR Series™ and Hy-Ram® Hydraulic Breakers

Allied hydraulic breakers are built to do the toughest jobs and engineered for dependability and long life. With 24 models to choose from, ranging from 550 ft. lbs. to 7,000 ft. lbs., Allied will help you select the right one for your breaking or raking application. Sandvik, AR Series™ and Hy-Ram® breakers feature:

- Optimized designs to increase energy output and efficiency.
- Longer length tools available for extended reach.
- Long-stroke design to protect booms from damaging recoil.
- Optimized performance by using oil from the pump combined with all oil hydraulic operation to increase energy output and efficiency.
- Heavy-duty abrasion-resistant mounting brackets.
- Longer length tools available for extended reach.
- Specially treated tools designed for longer service life.
- Hydraulic brake to prevent blank-firing and protect against excessive heat build-up.
- A design that allows for cold ambient temperature warm-up of the breaker.
- Constant blow energy for maximum breaking power with every blow.
- Tool bushings are slip-fit for easy removal reducing service time.

Allied Power Units

Allied offers power units from 30 hp up to 100 hp, which operate both the pedestal boom and breaker, are carefully matched to your pedestal boom system to ensure maximum performance and productivity. Since the power is separate from the boom, it can be mounted in any convenient location near the work station. Allied power units include:

- Variable volume, pressure compensated, load sensing piston pump.
- Pressure, return and air filters to protect against contamination.
- Low oil, high temperature and filter bypass switches.
- Immersion heater.
- Tank cleanout cover.
- Coupling guards.
- Flooded pump inlets.
- Combination sight level and temperature gauges.

System Options

Customize your pedestal boom system by adding:

- Electrohydraulic joystick remote control.
- Radio, coaxial cable and fiber optics.
- Auto lubrication systems for boom and breaker.
- Specialized attachments such as grapples, spades, picks and compaction plates.
- Diesel Power Unit
- Climate controlled cabs.

Standard package includes manual control valve console and stand.
Options include:

• Long-stroke design to protect booms from reach.
• Longer length tools available for extended and efficiency.
• Climate controlled cabs.
• Heavy-duty abrasion-resistant mounting efficiency.
• Optimized performance by using oil from damaging recoil.

Diesel Power Unit picks and compaction plates.

• Specialized attachments such as grapples, spades, ...

Allied Power Units

Hydraulic Breakers

Pedestal Breaker System™

• World-class engineering
• Long-term reliability
• High productivity

For sales and service, contact your Allied Distributor:

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Allied has a policy of continuous product improvements and reserves the right to change specifications, design or prices any time without obligation.