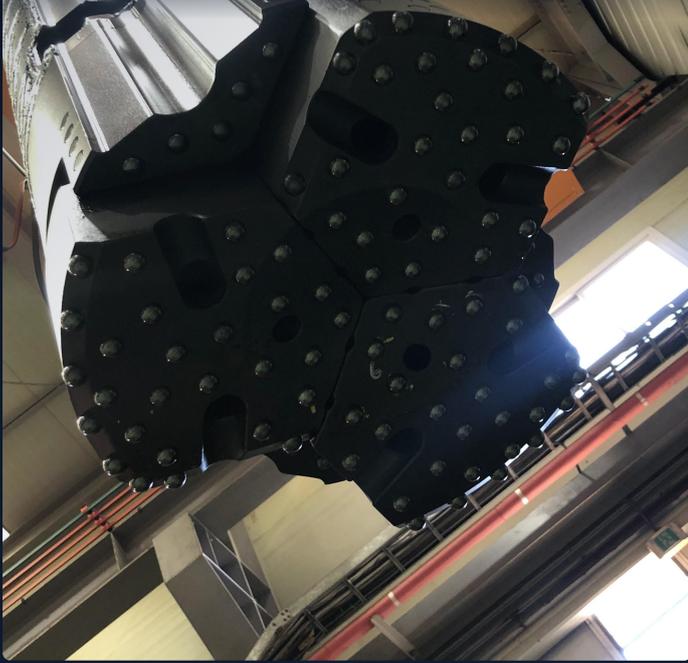




JK INNOVATION

HEAVY EQUIPMENT
SOLUTIONS

PRODUCT CATALOG 2026



AR SERIES COMBINATION HAMMER

DRILLING EXCELLENCE

Engineered for extreme conditions. The AR Series Combination Hammer delivers unmatched drilling performance across all geological formations — from hard bedrock to complex multi-layered ground.

AR SERIES COMBINATION HAMMER

The AR Series Combination Hammer represents the pinnacle of pneumatic drilling technology. Designed to operate flawlessly in the most demanding geological conditions, this innovative system combines multiple internal hammers within a single casing to deliver superior percussion drilling performance.

Available in diameters ranging from Ø380mm to Ø1475mm, the AR Series covers every project scale — from urban road construction and mid-size foundation work to large-scale infrastructure projects including geothermal wells, mining operations, and deep foundation piling.

JK INNOVATION analyzes your specific ground conditions and operational requirements to recommend the optimal hammer configuration, ensuring maximum efficiency and cost-effectiveness on every project.

WHY AR SERIES?



Diameter Range: Ø380 ~ Ø1475mm

14 standard models covering all project scales



Multi-Hammer Configuration

3 to 5 inner hammers working in synchronized harmony



Extreme Durability

Special hardened alloy steel with heat treatment process



Proven Performance

Field-tested across bedrock, mixed soil, and complex formations

HAMMER CONFIGURATION OPTIONS



3-UNIT COMBINATION

Standard configuration for most applications. Ideal for uniform bedrock and standard foundation work.



4-UNIT COMBINATION

Enhanced configuration with balanced impact distribution for mixed geological conditions.



5-UNIT COMBINATION

Maximum coverage for large diameter drilling. Optimized for the most demanding projects.

ENGINEERED FOR EXCELLENCE



Superior Durability

Manufactured with specially hardened alloy steel and precision machining technology, the AR Series delivers stable, reliable performance even in the harshest operating conditions. The outer casing withstands extreme impact and abrasion, while each internal hammer undergoes a specialized heat treatment process to maximize longevity. Reduced wear means lower maintenance costs and extended service life.



Customized Solutions

With a wide range of diameter options and internal hammer configurations, we provide equipment precisely tailored to your site conditions and operational requirements. Whether you need a compact solution for urban construction or a large-diameter system for deep mining operations, the AR Series adapts to deliver optimal performance at every scale.



Maximum Efficiency

The optimized multi-hammer combination enables fast, accurate drilling across diverse ground conditions. Each internal hammer operates independently while working in synchronized harmony, achieving superior striking force compared to conventional single-hammer systems. This translates to reduced drilling time and lower fuel consumption per meter drilled.



Advanced Manufacturing

Built using state-of-the-art CNC machining equipment and 3D simulation-based design processes. Every product undergoes rigorous quality inspection from raw material to finished assembly, and performance is validated in full-scale testing facilities that replicate actual field conditions. This ensures consistent, reliable quality across every unit delivered.



AR SERIES MODEL LINEUP

The complete AR Series product lineup offers 14 standard models to match every project requirement. Select the optimal diameter and hammer configuration for your specific ground conditions.

MODEL	DIAMETER (MM)	INNER HAMMERS	WEIGHT (KG)	MIN. COMPRESSOR (CFM)
AR380	Ø380	5" × 3 pcs	1,100	900+
AR425	Ø425	6" × 3 pcs	1,300	900+
AR445	Ø445	6" × 3 pcs	1,400	1,800+
AR475	Ø475	6" × 3 pcs	1,506	1,800+
AR525	Ø525	8" × 3 pcs	2,028	1,800+
AR545	Ø545	8" × 3 pcs	2,300	2,700+
AR575	Ø575	8" × 3 pcs	2,660	2,700+
AR625	Ø625	10" × 3 pcs	3,130	2,700+
AR675	Ø675	10" × 3 pcs	4,200	2,700+
AR775	Ø775	12" × 3 pcs	5,500	4,500+
AR975	Ø975	15" × 3 pcs	9,150	5,400+
AR1175 (3-Unit)	Ø1175	18" × 3 pcs	13,100	5,400+
AR1175 (5-Unit)	Ø1175	15" × 5 pcs	10,670	6,300+
AR1475	Ø1475	16" × 5 pcs	19,200	7,200+

* Specifications are subject to change due to product improvements without prior notice.

HIGH-STRENGTH CONSTRUCTION

The outer casing is forged from high-strength alloy steel, engineered to resist extreme impact forces and abrasive wear. Each internal hammer undergoes a specialized heat treatment process to maximize hardness and fatigue resistance, ensuring reliable performance throughout extended operations in the toughest geological conditions.

EFFICIENT PERCUSSION DRILLING

The multi-hammer combination of 3 to 5 independent internal hammers enables highly efficient drilling across all ground types. Each hammer operates autonomously while maintaining synchronized impact, delivering optimal striking force that significantly outperforms conventional single-hammer systems in both speed and penetration depth.

PRECISION ENGINEERING



3D CAD Design

Computer simulation-optimized engineering for peak performance and durability



Quality Control

Stage-by-stage inspection from raw materials to finished assembly



Full-Scale Testing

Real-world condition testing validates performance before delivery



CNC Precision

Advanced automated machining for consistent, high-precision components

APPLICATIONS

01 Foundation Engineering

Deep pile foundations, bored piles, diaphragm walls for high-rise buildings and bridges

02 Mining & Geothermal

Large-scale mining exploration, geothermal well drilling, and mineral extraction projects

03 Infrastructure

Road tunnels, dam construction, underground utilities, and urban redevelopment projects

READY TO GET STARTED?

Contact JK INNOVATION today for expert consultation on the optimal AR Series configuration for your project. Our technical team is ready to analyze your ground conditions and recommend the perfect solution.

[REQUEST A QUOTE](#)



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