



# Performance, Precision, and Productivity: The Sonic Advantage



**Royal Eijkelkamp** leads in sonic drilling innovation with over a century of soil and water expertise. Our full portfolio of rigs, tooling, and digital solutions helps you collect better samples—*faster and more efficiently.*



# Performance, Precision, and Productivity: The Sonic Advantage



Our innovative DUO head, with both sonic and conventional rotary drill heads mounted side by side, lets you switch drilling methods on the fly. Designed for geotechnical, environmental, mineral, and infrastructure projects, our systems deliver high-quality results in even the toughest conditions.

## Why Sonic? Why Eijkelkamp?

- » Sonic technology drills 3–5× faster while using up to 80% less fluid—reducing waste and cost.
- » Superior sample recovery with up to 215 m depth and 1% deviation.
- » Sonic and rotation technology allows seamless transition between diverse geology types without changing tools.
- » Fully cased boreholes and remote handling accessories improve safety.
- » Proven track record in projects worldwide, supported by local experts and service facilities.



## New: Sonic Select — Tooling at Your Fingertips

Designed for professionals in the field, our new [Tooling Web App](#) gives you full access to Royal Eijkelkamp's complete sonic tooling catalog—anytime, anywhere. Sonic Select streamlines your workflow by letting you quickly search, browse, and order the right tools online or offline—efficient, reliable, and field-ready.

- » Full insight into our complete tooling range
- » Works with or without an internet connection
- » Built-in order form for fast, on-the-go purchasing



## Drilling Accessories & Tooling

Enhance safety, efficiency, and versatility with [our full range of accessories](#), including rod/casing manipulators (ManipAll), automatic footclamps, and wireline jibs.

### Tooling Options

- » **Single-Wall Bits** maintain core integrity in fractured, unconsolidated, or unstable conditions.
- » **Dual-Wall Bits** are best suited for cohesive formations with minimal casing requirements.

**Matching the right tooling with the rig ensures cleaner samples and faster drilling performance.**

- » **AquaLock Piston Sampler** delivers fast, accurate drilling without casing, reducing cost per meter while improving sample quality and recovery in unconsolidated alluvial soils.
- » **Single Wall CoreBarrel Samplers** provide high-quality samples without the use of water.
- » **Dual Wall CoreBarrel Samplers** improve sample quality and recovery in harder or mixed formations, preserving fine material and capturing every layer without loss.

## Data & Insights – Smarter Drilling

Modern drilling is no longer just about power and depth—it's about precision, transparency, and decision-making in real time. **Royal Eijkelkamp** delivers integrated data solutions that transform every borehole into a source of valuable insight.

### ROAK: Your Digital Gateway

Cloud-connected platform for capturing, analyzing, and storing MWD data—making drilling campaigns traceable, auditable, and easier to plan and manage.

### Monitoring While Drilling (MWD)

Real-time drilling data (depth, torque, pressure, speed, frequency) for better sample quality, less tool wear, higher efficiency, and transparent reporting.

### Drill-n-CPT & SonicCPT Integration

Seamlessly switch between sonic drilling and CPT without moving the rig—faster, more versatile site investigations with complete geotechnical profiles.



## Training & Digital Support

**Eijkelpamp** supports your team both in the field and behind the scenes. The **Eijkelpamp Academy** offers customized training—on-site, online, or at our facilities—covering everything from sonic drilling and sampling techniques to safety and maintenance.

- » Courses are led by seasoned professionals who understand real-world challenges.
- » For ongoing support, the **Eijkelpamp Service Assistant (ESA)** app puts expert help in your hands.
- » Use ESA to scan equipment QR codes, access manuals, request parts, submit service tickets, or connect directly with our technical team.

**ESA ensures fast, reliable support—anytime, anywhere.**

# Ready to Drill Smarter?

Whether you're exploring new ground or need high-quality core samples in difficult conditions, **Royal Eijkelpamp** has the right solution for you.

Contact us today to schedule a demo, request a quote, or learn how we can help you modernize your drilling operations with our advanced sonic technology.



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