



Epiroc tapered drill strings

Maximizing productivity and minimizing costs



Precision, performance and proven reliability

Epiroc has one of the broadest range of tapered drilling equipment and accessories of any supplier in the world. It gives you more choices, working with the strongest support network in the industry.

It means that you can look to one reliable and time-tested source for all your equipment needs.

Of course, you'd expect Epiroc to have the most productive tapered rock drilling equipment in the world. And we do. But maybe your situation calls for the utmost in reliability.

Or perhaps your application requires technology that has been tested and proven through years of field use. Whatever your needs, check out our many

choices before settling for less. Each one of our products are designed for optimum performance in both handheld and mechanized rock drilling applications on a price vs. performance basis.

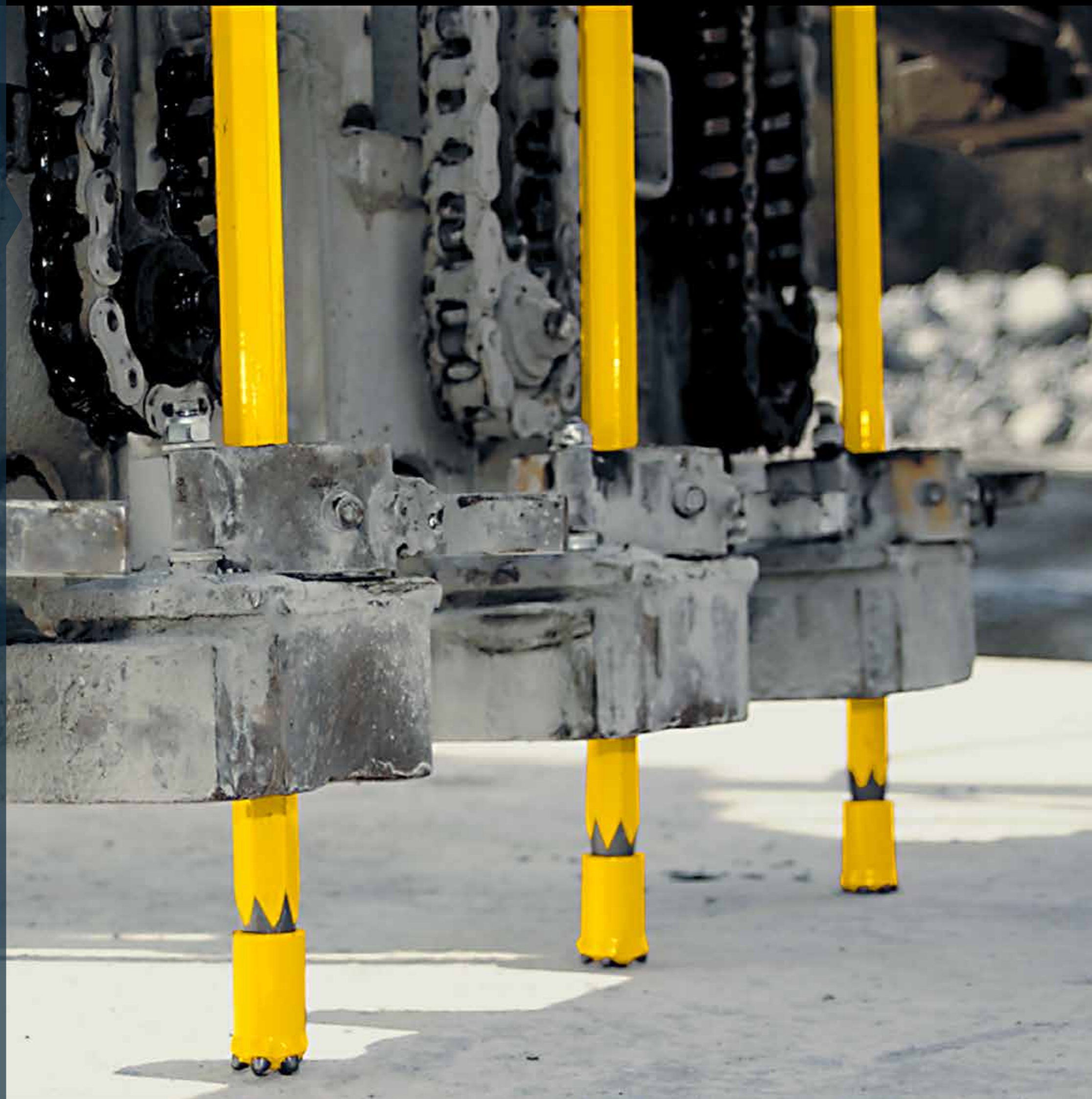
We offer high quality productive tools and services for all handheld and mechanized applications. It's all right here, at Epiroc.

+ Main benefits

Drilling economy - with years of experience and product development, our tapered drilling equipment is designed to provide you with the lowest cost per meter in the market.

Less downtime - with our quality products, you can always rely on us to make sure you get the most out of your drilling operation.

Epiroc network - being a product family within Epiroc, availability and support is a part of the package, providing increased productivity.



Engineered for efficiency, built for reliability.

Our tapered drilling solutions not only deliver the highest performance and reliability, but are also engineered to reduce environmental impact by maximizing energy efficiency and minimizing downtime. By offering products that provide the lowest cost per meter, we ensure a more sustainable approach to drilling operations.



+ Sustainability

We are dedicated to sustainability, offering tapered drilling equipment designed for maximum efficiency and minimal environmental impact. Our products reduce downtime and lower costs per meter, more sustainable drilling operations while ensuring long-term performance.



+ Operator in focus

Our sustainable drilling solutions are designed with the operator in mind, providing efficient, low-impact equipment that reduces downtime and enhances productivity for a more sustainable workday.



+ Improved performance

Our tapered equipment delivers top-tier performance, ensuring operators achieve maximum efficiency with minimal downtime, all while driving sustainable, high-output results.



A comprehensive service offering

Even the best equipment needs to be serviced regularly to make sure it sustains peak performance. An Epiroc service solution offers peace of mind, maximizing availability and performance throughout the lifetime of your equipment. We focus on safety, productivity and reliability.

By combining genuine parts and an Epiroc service from our certified technicians, we safeguard your productivity – wherever you are.

Epiroc tapered drill strings – Technical specifications

Epiroc tapered drill strings



Thanks to a unique heat-treatment process, the internal stresses of the steel are released, while high durability is retained

Our tapered bits have an extensive selection of design configurations

Our tapered rods are renowned for their superior fatigue strength and resistance to bending stress

Our tapered rods are able to handle the strain of 7-10 kW rock drills



Discover more about Epiroc tapered drill strings

Rock drilling tool selector and configurator

To find all products related to Epiroc tapered drill strings, please visit the rock drilling tool selector.

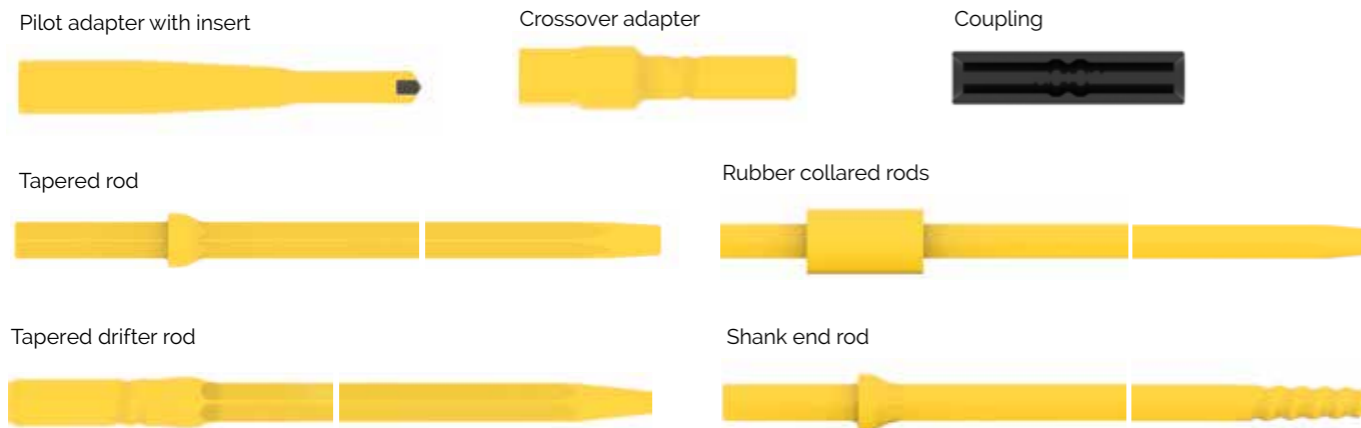
With its easy navigation, the rock drilling tool selector lets the user find the required product, desired attributes and its product number.



Scan/click to visit the rock drilling tool selector and configurator

Epiroc tapered drill strings – Technical specifications

Epiroc tapered equipment



Example of Epiroc tapered drill bits



- Model -12**
For soft to medium hard rock formations. One front and two side flushing holes.
- Model -14**
For soft to medium hard rock. Two front and one side flushing hole.
- Model -17**
All-round drill bit for soft to medium hard rock. Front and side flushing. Diameters up to 34 mm.
- Model -23**
For soft and abrasive rock. Front and side flushing.
- Model -27**
All-round drill bit for medium hard to hard rock formations. Front and side flushing. Diameters from 35 mm.



- Model -33**
All-round bit with six gauge buttons for medium hard to hard rock formations. Front and side flushing. Inclined front buttons.
- Model -34**
All-round bit for soft to hard rock formations. Two front flushing holes for optimal speed and less hole deviation. Inclined front buttons.
- Model -40**
All-round bit for medium hard to hard rock. Side flushing only. Inclined front.
- Model -56**
All-round drill bit for medium hard to hard rock formations. Front and side flushing.
- Reaming dome bit**
To enlarge pre-drilled holes, designed to be most suitable in medium to hard rock.



Tapered reaming button bit

To enlarge pre-drilled holes, designed to be most suitable in medium to hard rock formations.

Please note: that all button bits are manufactured over-sized 0,5-2,5 mm (it depends on the size of bit and buttons), meaning that for example a 45,0 mm bit is at least 45,5 mm as new, or the size of a 140,0 mm new bit can be 141,5 mm to 142,5 mm (it depends on the model and type of bit). This is done because of the fast initial wear on button bits. It is important to consider that the drilled hole could vary in size thanks to drilling conditions, drilling practices and ground formation.

Epiroc tapered drill strings – Technical specifications

Taper angle 4°46'

Main application area	Light quarrying, soft rock cutting
Conditions	Soft to medium-hard rock. Shallow holes (1–2 meters)
Hole diameter	33 mm - 43 mm
Rod length	Tapered rods from 800 mm - 4000 mm Tapered drifter rods from 2000 mm - 2900 mm

Taper angle 7°

Main application area	Mining, tunneling
Conditions	Medium to hard rock. Slightly deeper holes (up to -3 meters)
Hole diameter	30 mm - 64 mm
Rod length	Tapered rods from 800 mm - 8000 mm

Taper angle 11°

Main application area	Quarrying, heavy-duty handheld
Conditions	Hard to very hard rock. Deeper holes or higher-impact drilling
Hole diameter	32 mm - 64 mm
Rod length	Rubber collared rods from 600mm - 4500 mm Tapered rods from 500 mm - 8000 mm Tapered drifter rods from 340 mm - 2800 mm

Taper angle 12°

Main application area	Mechanized or high-impact drilling
Conditions	Very hard rock formations. Deep holes or demanding conditions
Hole diameter	27 mm - 64 mm
Rod length	Tapered rods from 610 mm - 3200 mm Tapered drifter rods from 675 mm - 3700 mm

Shank end rods

Main application area	Mining, tunneling, quarrying
Conditions	Hard to very hard rock and abrasive rock formations. Deep holes
Bit thread	R25
Hole diameter	33 mm - 55 mm
Rod length	255 mm - 4000 mm
Bit thread	SR22
Hole diameter	33 mm
Rod length	100 mm - 552 mm
Bit thread	SR28
Hole diameter	33 mm - 76 mm
Rod length	265 mm - 3660 mm

United in performance. Inspired by innovation.

Performance unites us, innovation inspires us, and commitment drives us to keep moving forward. Count on Epiroc to deliver the solutions you need to succeed today and the technology to lead tomorrow.
[epiroc.com](https://www.epiroc.com)

