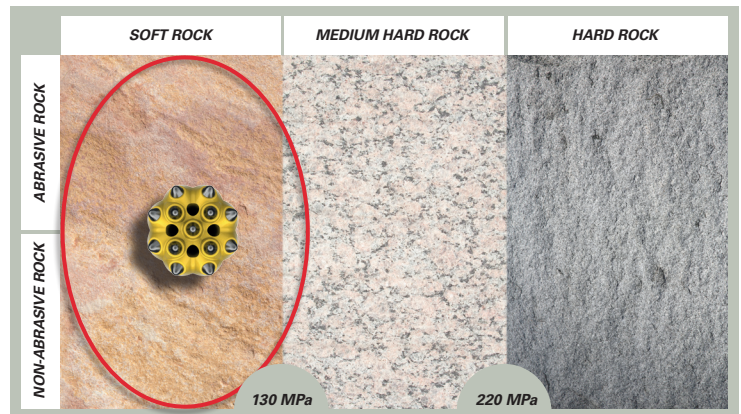


POWERBIT FOR SOFT ROCK

Rocket bit Full-ballistic buttons



Available threads and diameters:

T45 – 76 mm, 89 mm, 102 mm

Available with retrac: No

Application area:

Rocket bit is an aerodynamic soft rock innovation. It features full-ballistic buttons and new vertical flushing grooves big enough to remove considerably larger chips than earlier models. This makes the Rocket bit particularly well suited for soft rock conditions. With more space for flushing and an optimal gauge button angle, Rocket bit offers a greater penetration rate than any other soft rock bit on the market. With proper grinding, this high penetration rate is sustainable throughout the bit's service life.

Technical specifications:

Rocket bit design
Full-ballistic buttons
4 large front flushing holes
Large vertical flushing grooves
Improved steel properties, stronger than ever
Straight skirt

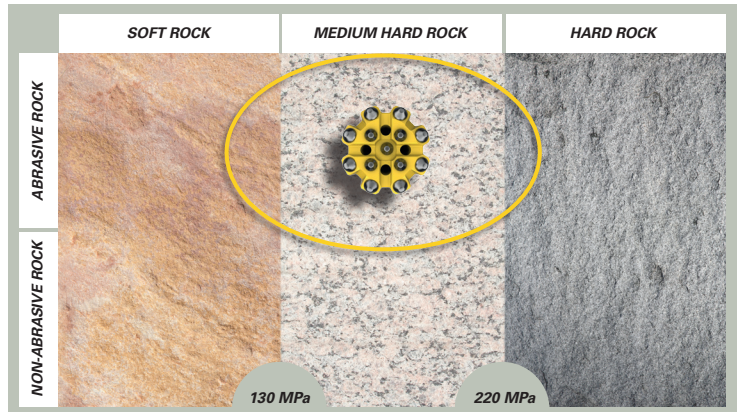
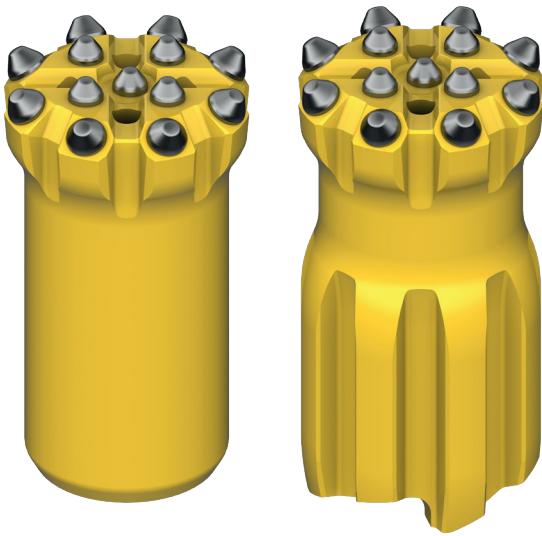
Product benefits:

High penetration rate
Long service life
Outstanding productivity

POWERBIT FOR MEDIUM HARD, ABRASIVE ROCK

Powerface bit

Trubbnos buttons, heavy duty (HD)



Available threads

and diameters:

T45 – 70 mm, 76 mm, 89 mm, 102 mm

Available with retrac:

Yes

Application area:

Ideal for abrasive, medium hard to hard rock. The heavy duty (HD) buttons are designed to increase wear resistance, and the Trubbnos shape of the buttons add service life as well as penetration rate. Please note that the buttons with Trubbnos shape need to be reground using Trubbnos grinding wheels. If the Trubbnos shape is not re-created, the Trubbnos shape benefits are lost after a couple of regrinds.

Technical specifications:

Powerface design

Trubbnos* buttons

Larger buttons than standard (heavy duty - HD)

Enduro Extra** treatment on buttons

Improved steel properties, stronger than ever

Straight or short retrac skirt

Product benefits:

Long service life

High penetration rate

* Trubbnos button

Trubbnos is a new, flatter button shape offering 100% more carbide volume to wear than a semi-ballistic button. Replaces the semi-ballistic button.

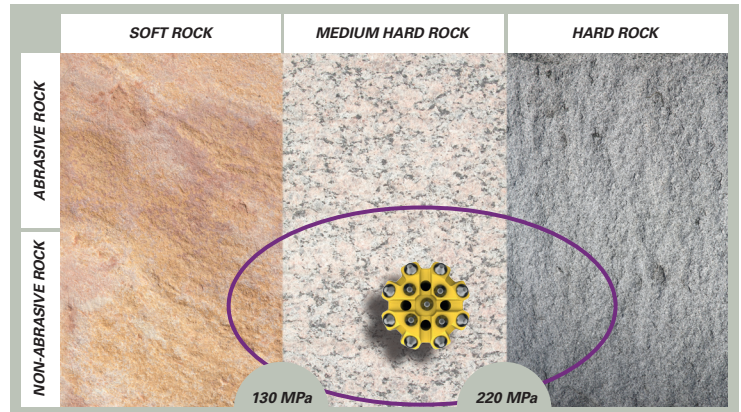
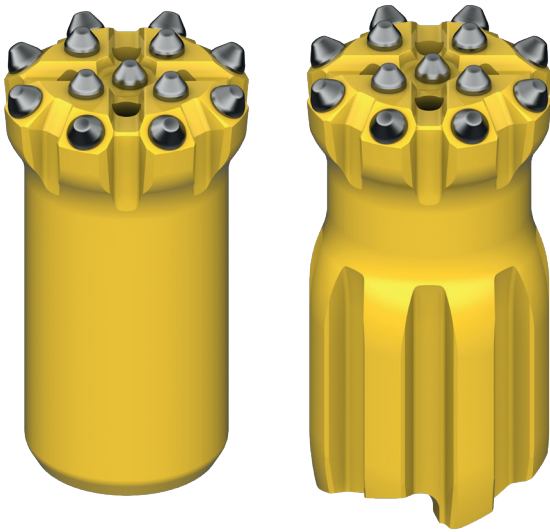
** Enduro Extra

This is a new surface treatment on Trubbnos and spherical buttons which makes them harder, tougher and longer lasting.

POWERBIT FOR MEDIUM HARD, NON-ABRASIVE ROCK

Powerface bit

Trubbnos buttons, standard



Available threads

and diameters: T45 – 76 mm, 89 mm, 102 mm

Available with retrac: Yes

Application area:

The Powerface bit with standard Trubbnos buttons is designed for non-abrasive, medium hard rock. This Powerbit design, together with the Trubbnos button shape, is a perfect combination for achieving long service life and high penetration rates. Please note that the buttons with Trubbnos shape need to be reground using Trubbnos grinding wheels. If the Trubbnos shape is not re-created, the Trubbnos shape benefits are lost after a couple of regrinds.

Technical specifications:

- Powerface design
- Trubbnos* buttons
- Improved steel properties, stronger than ever
- Enduro Extra** treatment on buttons
- Straight or short retrac skirt

Product benefits:

- Long service life
- High penetration rate

* Trubbnos button

Trubbnos is a new, flatter button shape offering 100% more carbide volume to wear than a semi-ballistic button. Replaces the semi-ballistic button.

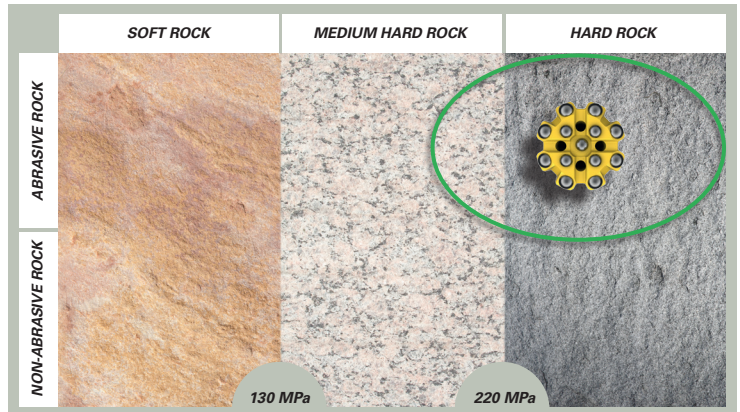
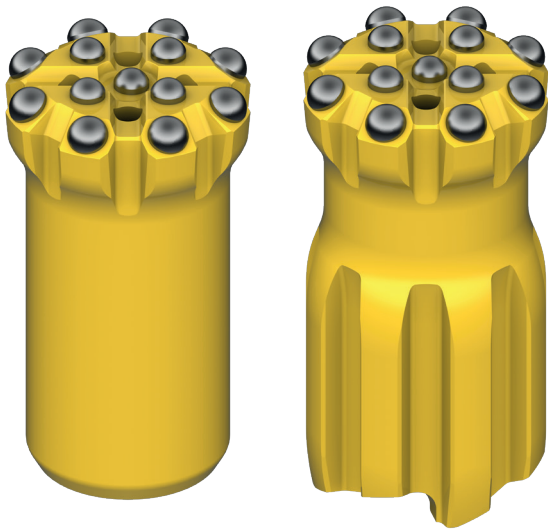
** Enduro Extra

This is a new surface treatment on Trubbnos and spherical buttons which makes them harder, tougher and longer lasting.

POWERBIT FOR HARD, ABRASIVE ROCK

Powerface bit

Spherical buttons, heavy duty (HD)



Available threads

and diameters: T45 – 70 mm, 76 mm, 89 mm, 102 mm

Available with retrac: Yes

Application area:

This Powerbit is designed for hard and abrasive rock. The large, spherical heavy duty (HD) buttons offer high wear resistance in abrasive rock.

Technical specifications:

- Powerface design
- Spherical buttons
- Larger buttons than standard (heavy duty - HD)
- Enduro Extra** treatment on buttons
- Improved steel properties, stronger than ever
- Straight or short retrac skirt

Product benefits:

Long service life

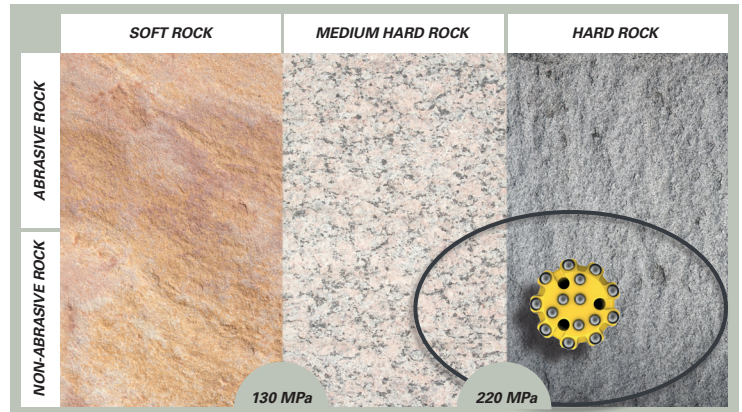
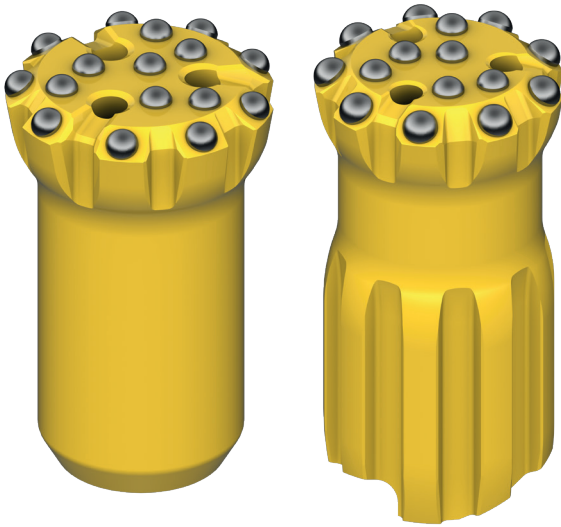
** Enduro Extra

This is a new surface treatment on Trubbnos and spherical buttons which makes them harder, tougher and longer lasting.

POWERBIT FOR HARD, MEDIUM TO NON-ABRASIVE ROCK

Flat face bit

Spherical buttons, standard



Available threads

and diameters: T45 – 76 mm, 89 mm, 102 mm

Available with retrac: Yes

Application area:

The flat face Powerbit, with its large quantity of standard spherical buttons, is developed for hard rock with a medium to low abrasivity level. To be able to withstand the strains from the rock, the flat face bit is designed to distribute the energy evenly on all buttons.

Technical specifications:

- Flat face design
- Spherical buttons
- Large quantity of buttons (9 different gauges)
- Enduro Extra** treatment on buttons
- 3 large front flushing holes
- Large flushing grooves
- Improved steel properties, stronger than ever
- Straight or short retrac skirt

Product benefits:

- Long service life
- Outstanding productivity
- Large range of application

** Enduro Extra

This is a new surface treatment on Trubbnos and spherical buttons which makes them harder, tougher and longer lasting.