



New Concept Mining

Powered by Epiroc

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- Established in 1986, the New Concept Mining Group was acquired by Epiroc in 2019 to become a specialised ground support business within the broader Epiroc Group.
- New Concept Mining has a strong track record in designing, manufacturing and supplying mine support products to the world's deepest mines.
- NCM manufactures and supplies over 10 million units per year of innovative support products worldwide (and uses as much steel in three months as was used to build the entire Eiffel Tower),
- Our reputation as an ethical company stems from our corporate governance and compliance which is in line with international best practice,
- Our core values are Innovation, Investment and Integrity.

What Makes NCM Different?

- Innovating on an ongoing basis with our customers to solve unique mine support challenges with customised solutions and services,
- Having considerable in-house Rock Engineering, Mining and Engineering experience,
- The technical competency to deliver on-site expertise to our customers,
- A proud record of uninterrupted and continuous supply of support products to our customers for more than 30 years,
- On-going value engineering and service optimisation to deliver increasing value and competitive pricing to our customers,
- The corporate competency to deliver in country services,
- Striving to be 'A Place of Opportunities' where everyone in the business has the opportunity to achieve their full potential,
- We aim to live up to our name: New Concept Mining.

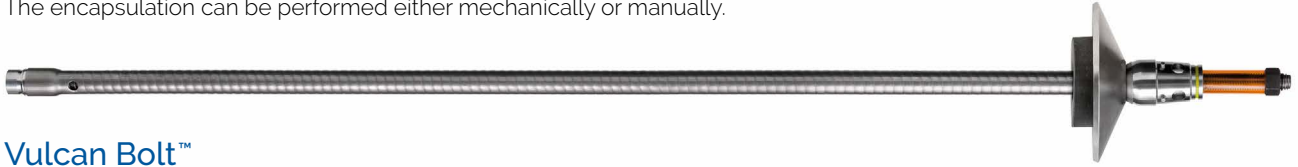


Products

ROOFBOLTS:

MP1 Bolt™

The MP1 Bolting system is an end-anchored yielding bolt for fully mechanised installation. MP1's end anchor provides immediate support upon installation and tensioning. After full encapsulation with pumpable resin or grout, two pairs of double paddles act as additional anchors to secure the unit. The encapsulation can be performed either mechanically or manually.



Vulcan Bolt™

The Vulcan Bolt is an integrated primary and secondary support system, that offers instantaneous support, with full load capacity on installation. The unique design creates an active support system with a full column frictional bond without the use of resin or grout and also gives excellent resistance to shear. This system provides a consistent load performance over a range of hole sizes, with the ability to accommodate an irregular rock face.



PAR1 Resin Bolt™

The PAR1 Resin Bolt is a single pass, resin or grout anchored, yielding bolt and can be supplied with attachment points for meshing and lacing if required. The spin-to-stall resin provides the bolt with immediate support upon installation for tensioning. The bolt has a set of paddles which assist in the mixing of the resin and act as additional anchors when the resin is set.

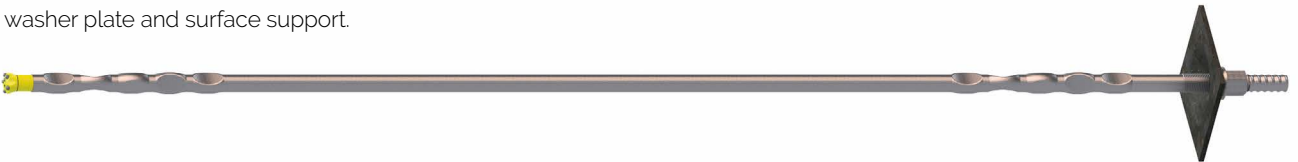


PAR1-P Bolt™

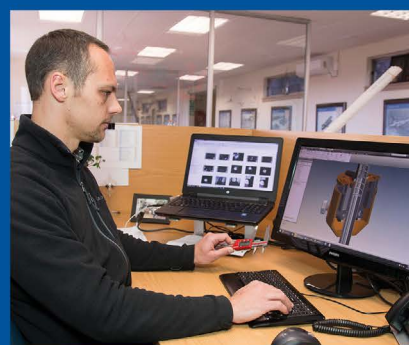


PAR1-HSD Bolt™

The PAR1 Self Drilling Bolt is a resin anchored yielding bolt for the absorption of energy in squeezing and dynamic ground conditions. The Self Drilling capabilities of the bolt allow for the installation within a highly fractured rock mass. The two paddle sets of the PAR1 Self Drilling Bolt, anchor the bolt and reduce the load transferred to the washer plate and surface support.

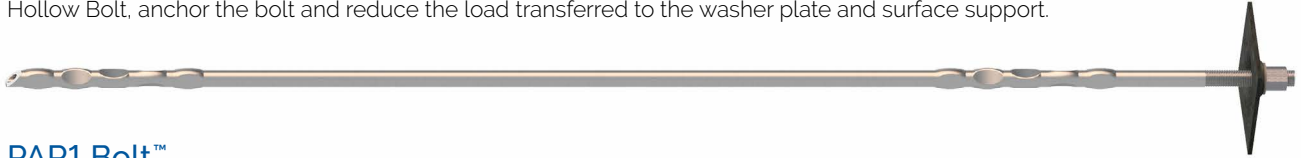


All products subject to patent protection



PAR1-H Bolt™

The PAR1 Hollow Bolt capitalises on the installation efficiency gains of a fully mechanised bulk resin system, whilst providing immediate support with a high yield and energy absorption capacity. The two paddle sets of the PAR1 Hollow Bolt, anchor the bolt and reduce the load transferred to the washer plate and surface support.



PAR1 Bolt™

The PAR1 Bolting system is an end-anchored yielding bolt that is grout or resin encapsulated post-installation. It can be provided with attachment points to incorporate areal coverage to provide an integrated dynamic support system if required.



Hydrabolt™

The Hydrabolt is a hydraulically expandable roofbolt with superior bond strength for tensile loading applications. The Hydrabolt has been designed to facilitate ease of installation and to provide the user with immediate, auditable support and a safe working environment.



PRE-STRESSING DEVICES:

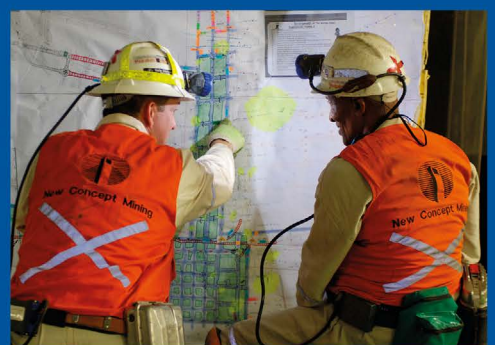
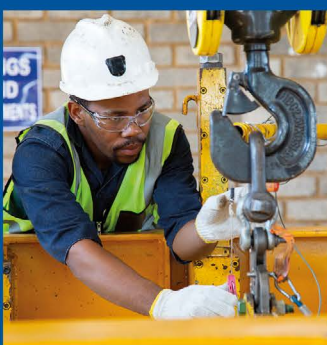
Jackpots™

The Jackpot is a hydraulic pre-stressing device for underground mine elongate support products. The Jackpot pre-stresses timber mine props at the time of installation, and so provides an immediate, active support to the hanging wall of the mine, providing underground workers with a much safer environment.



Jackpacks™

Jackpacks are pack pre-stressing units which are used to pre-stress timber or cementitious mats, elongate clusters or other packs that are used for supporting the hanging wall. A pressure relief valve can also be included which allows for controlled pressure release after installation and upon closure of the roof.



MONITORING AND WARNING:

FOGLight™

The FOGLight (Fall Of Ground) indicator is an early warning device designed to detect and warn mining crews of separation in the rock above, helping to provide a safer work environment underground. The FOGLight is simple to install, manufactured from tough materials and has a highly visible flashing LED indicator to highlight potentially unsafe movement in the hanging wall.

FOGStick™

The FOGStick is an early warning device designed to detect and warn mining crews of closure of the roof above a working area. Upon installation the device is spring loaded between the floor and the roof to monitor closure in an excavation. The reusable early warning device is factory preset to measure a specified amount of closure and its robust design enhances its suitability for operation in the harshest conditions underground.



RESINS:

Potentia Thixo™

Potentia Thixo is a two-component pumpable resin for bonding of roof bolts. The resin is delivered by a pump unit and injected in a 1:1 ratio through a mixing gun. It gels immediately setting into a strong bonding mass with excellent mechanical properties. When injected through self drilling anchors, the paste-like viscous mix fills the annular space between the bolt and the bore hole in order to create a perfect bond with a 100% grouted column independent of the size of the hole.

DRILLING:

HRD100

The HRD100 is a complete drilling solution which assists in making conventional and hybrid mining cycles and tunnelling more efficient. The HRD100 is designed to reduce infrastructure as it requires only water and electricity to operate. Reduced vibration, water consumption and cleaner surroundings make the HRD100 a safer and more efficient drilling system.



Global Footprint



Integrity. Innovation.

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