

MCA ENGINEERING GROUP PROVIDES A WIDE RANGE OF ENGINEERING, FABRICATION, MECHANICAL, CIVIL AND INSTALLATION AND CONSTRUCTION SERVICES TO THE MINING INDUSTRY

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Hydra Drill 360

Safe, efficient and cost effective solution in rock bolt service installation.

MCA Engineering group's knowledge and experience in the mining industry allows for them to stay that one step ahead of their competitors. The Hydra Drill 360 is a prime example of MCAE's innovative capabilities, with the design and fabrication being completed solely by MCAE.

The Hydra Drill 360 is a breakthrough for rock bolt service installation – when operated with the integrated tool carrier it is completely self-sufficient having its own air and water system on board; this eliminates the need of running hoses down the drive.

The Hydra Drill 360 was designed with a customer focus, minimising disruption to mine production, whilst completing the task at hand. It increases the productivity of the drilling crew by reducing the need for manual handling.



Specifications

- The Hydra Drill 360 was design to Australian Standards; 1418.10, 2550.10 and 4024
- 2 person platform at 100kg per person
- 350kg SWL which includes 2 persons and tools
- 100kg rock drilling reaction force
- All rock drilling functions are controlled hydraulically from the platform

Capabilities

- Installation of catenary cables
- Installation of rock bolts and brackets
- Quality assurance requirements by pull testing on all or a sample of the bolts installed

Safety

The Hydra Drill basket has been designed with safety as the first priority. Safety features include;

- Overhead protection from falling debris
- High railings with lanyard points
- Basket is secured to the integrated tool carrier by a quick hitch assembly which is then padlocked into place with a personal danger lock
- Hydraulics are fitted with an emergency stop outlet
- The integrated tool carrier contains a high performance break system, supplement steering and egress emergency lowering system.

Our experienced management team includes the skill set and experience to allow MCAE Group to provide total industry solutions to our customer base in the mining industry. Together with our team of key personnel including tradesmen, engineers and specialist suppliers we provide industry specific companies with total solution outcomes.

MCAE Group understands the full range of the engineering service industry's requirements and as a result we are a performance driven company. MCAE Group provides construction engineering support with full back up and planning for Safety, Environment and Quality.