

# News from CompAir

## **CompAir South Africa delivers quieter and increased performance with new Bora rock drill**

**13 October 2009.** A new pneumatic rock drill, developed by compressor and tools' manufacturer CompAir, offers increased productivity to the mining, tunnelling, quarrying and infrastructure markets, with a significantly low noise level that exceeds South Africa's health and safety regulations.

The new Bora rock drill has been designed to be safer to operate. Operating at just 103 dB, measured in test by the University of Pretoria Business Enterprises, the drill is today considered to be the quietest in its class.



This is achieved by a new, patent-pending 'encapsulating muffler' that both minimises noise transmission but also makes sure the drill lubricant is retained, reducing oil contamination and enabling easier disposal. These changes have been designed in such a way that a conversion kit can be purchased for CompAir's older drilling systems at minimum cost, providing the majority of the weight savings and sound benefits of the new drill.

With an impact rate of 2450 blows per minute compared with the 2100 rate of most competitors, the new Bora rock drill delivers up to 15% better

performance than other products in the market. This means it can drill to a depth of one metre in just 4.45 minutes, compared to the 5 to 6 minutes taken by most alternative rock drills.

Bora also operates at higher torque levels than competitors' machines, meaning that it can be used for rock bolting as well as drilling, giving increased versatility and productivity.

Efficiency is also improved through the use of hardened cast steel components, for robust performance and longer life. In addition, Bora is designed with fewer ports and passages in the cylinder to simplify maintenance and has a proven ability to operate at low temperatures without freezing or icing up under normal conditions.

All these benefits are achieved in a rock drill that weighs just 23 kilograms, meaning that Bora is the lightest unit available for its performance level. At this weight, the tool is suitable for full shift operation without placing undue physical stress on the operator.

The new Bora rock drill is the latest addition to a wide range of compressed air tools available from CompAir including standard and vibration damped breakers, chipping hammers, scabblers, tunnelling mole hammers and the CTR range of standard or vibration damped rock drills.

