



DPSA Mining Products

ENGINEERS, DISTRIBUTORS, DESIGNERS & CONSULTANTS



DPSA Mining Products

DPSA Mining Products has for a decade supplied high quality drilling consumables and back-up service to mines, quarries and drilling contractors. We have the experience to deliver continuous improvement, which has given us a solid reputation in the market.

DPSA Mining Products supplies Varel 3 cone blast hole bits, and in less than a decade it has grown to supply almost 25% of the Australian market. Varel is a leading manufacturer of blast hole mining bits. Its world-wide market share is growing fast, and DPSA Mining Products is their largest single distributor worldwide.

DPSA Mining Products also supplies Down the Hole (DTH) hammer drilling consumables and related products, and is a distributor for Rock Hog Drilling Products.

Our customers include all major mining companies and contractors including BHP Billiton, Rio Tinto, Thiess, Leightons, Xstrata and AngloCoal.

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Varel is the fastest growing privately owned manufacturer of blast hole mining bits in the world.

The Varel Ridgeback Marathon™ Series

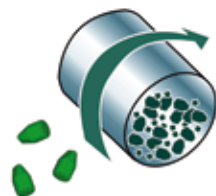


Varel International has launched a new line of 3 cone bits designed for the blast hole industry. These products, the Ridgeback Marathon™ series, feature the most advanced features available today in air circulation rock bits.



Ridgeback™ Design Technology

New advances in computer technology have allowed Varel to develop rock bit design software that enables design changes to be introduced rapidly.



This exclusive software aids the engineer with bit design analysis and includes such factors as drill operating parameters, bit geometry and mine lithology.



Varel engineers are able to predict the effects of design modifications and limit the risks associated with new product development.

Advanced Bearing Design

All Ridgeback Marathon™ rock bits incorporate bearings designed to minimize heating. The wear elements feature advanced materials to give the maximum bearing life under a wide variety of operating conditions. Extended bearing life is achieved by the use of specialised rollers, newly designed tungsten carbide thrust buttons, and premium quality “clean” steel.

High Energy Tumbling™

Precision manufactured inserts are further processed for maximum toughness. Varel's HET™ - high energy tumbling process - gives the inserts a unique surface toughness that extends bit life.

Improved Thrust Capacity

Bearing thrust capacity is often the limiting factor in bearing life. Ridgeback Marathon™ bits feature an improved thrust face design, which minimises outward thrust wear to prolong bearing life.

Enhanced Cutter Design

The Ridgeback Marathon™ Design process provides the highest penetration rates and longest life available.

Maximum Gage Protection

SRT (Semi Round Top) tungsten carbide and welded hardmetal provide superior wear resistance to the shirrtail area. This feature is particularly effective in formations which tend to cave in, or when hole bailing is a problem.

Vented Cones

Vented cones are standard in all Ridgeback™ and Ridgeback Marathon™ series bits 9" and larger in diameter. Vented cones allow a continuous air flow throughout the bearings to provide better cooling and cleaning.

