



R O C K M O R E
I N T E R N A T I O N A L

Rock Drilling Tools

Press Release – New Product Development – August 2013

Rockmore International

NEW BIT DESIGN FOR SURFACE DRILLING

STARFLOW BIT DESIGN

Rockmore International announces a new drill bit designed for Top-Hammer drilling intended to increase drilling efficiency and to reduce operating costs.

The new StarFlow drill bit design extends bit life and improves penetration rates for percussive drilling applications in hard, abrasive and challenging rock conditions.

The StarFlow bit increases overall drilling productivity by incorporating enhancements in the bit face design, particularly in the cutting geometry and placement of flush holes, flush grooves, and tungsten buttons.

The strategic placement of five (5) flush holes and flush grooves gives the StarFlow bit its unique star shaped design. The multiple flush holes are placed to maximize the flow of the flushing medium mixed with the displaced rock cuttings. Such enhancements in the bit face flushing design contribute greatly to increase penetration rates since the rock cuttings evacuate the drilled hole more efficiently.

The new face design of the StarFlow button bit features ten (10) large tungsten carbide inserts on the periphery (gauge) row for enhanced rock breaking characteristics. The robust carbide inserts are about 5mm larger in diameter compared to previous models, leading to longer bit life. The placement of the larger carbide buttons on the StarFlow bit maximizes the effectiveness of the carbides to penetrate and break the rock, resulting in improved penetration rates.

This unique StarFlow design is offered in threaded button bits larger than 127mm (5 in.) for Top-Hammer applications. By using the Rockmore StarFlow bit design, drilling operators in mines and quarries can reduce drilling consumable costs and increase their overall drilling efficiencies.

Rockmore International is a global manufacturer of rock-drilling tools, serving the mining, construction, and water-well sectors for more than 60 years.

