

RPS™ Delivers 79% Increase in ROP

10-5/8" RPS85, Coal, Australia

PERFORMANCE: A recent mine test of the RPS tool utilized both standard rotary techniques and Varel's RPS tool when drilling 10-5/8" blast holes. Combined with Varel's RP40 Bit, the RPS tool provided this customer with an average 79% ROP improvement over the standard rotary system.

TECHNOLOGY: Varel's patented RPS percussion tools combine the synergies of both rotary and percussion drilling. Percussion blows combine with rotational forces to deliver impacts similar to chipping or chiseling. These blows are applied 16-30 times a second to smooth out torque resulting in less vibration, straighter bore holes, improved rock fragmentation, and increased ROP. The RPS allows you to drill a broader variety of rock with ease and smooth your drill operations resulting in higher efficiencies at the drill site.



RPS VS ROTARY OVERALL ROP

