

System allows users to fire from one application

DYNO NOBEL and **DETNET** developed the DigiShot 300 RF system to boost safety in blasting operations. With this system, blasters can fire remotely with a single box application. This also allows blasters to choose a firing location where both the bench and ingress areas are visible. The



companies designed the DigiShot 300 RF system for single box firing with the capability of firing up to 450 detonators at a distance of 3,281 ft. The system also supports box synchronization with two boxes when firing in hard-wire mode. According to Dyno Nobel, the system allows for convenience of adaptable software so the machines can be configured as either a bench box or base station. In addition, the system includes the ability to adapt to different blast sizes through one box remote firing or two box hardwire synchronization modes. www.dynonobel.com

Thread design allows for straighter holes, minimized deviation

ROCKMORE INTERNATIONAL'S XT thread design for its Vector Rod System serves as a way to improve performance and service life in drill tools in surface and underground percussive drilling applications. The XT design incorporates cylindrical contact zones between male and female thread joints. The XT thread profile is based on the traditional trapezoidal "T" thread design, which is compatible with industry standard thread types such as T38, T45 and T51. According to Rockmore International, users can interchange and connect standard "T" style threaded components with the XT thread. Because the XT thread guide feature improves thread alignment, the impact duration when "rattling" rods is minimized. Additionally, an advantage of this rod system over traditional threaded components is providing straighter holes and minimizing its deviation, the company says. www.rockmore-intl.com



Dual dampening system stabilizes drill bit against rock

FURUKAWA ROCK DRILL USA'S HCR1100-ER drill delivers more impact and airflow than its predecessor model. These factors enable users to drill larger-diameter holes in harder rock, according to the company. The HCR1100-ER blasthole drill features a dual dampening system that stabilizes the bit against the rock. Its control station is positioned to keep the operator away from the drill rotation and dust, and its monitoring system gives a visual of engine temperature, hydraulic oil temperature and fluid levels. The HCR1100-ER achieves impact rates of up to 3,300 blows per minute and drifter power up to 29.5 hp. It also features a total fuel savings system that allows operators to select the optimum engine speed; a rod changer that allows for the installation of five drill steels plus one starter rod; and an optional wireless remote that allows tramming and drilling from a secondary location. www.frdusa.com

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