

GAMECHANGER™
PERFORATING SYSTEM



DESCRIPTION

The GameChanger perforating system features a semi-disposable gun assembly designed to increase efficiency and reliability by eliminating the misruns and resulting NPT associated with traditional gun systems. It is compatible with all manufacturers' standard shaped charges and uses addressable switches to provide real-time confirmation throughout the downhole descent. With no wires running between guns, this innovative perforating system provides a high level of confidence in the wellbore.

FEATURES AND BENEFITS

- Port-free design prevents getting stuck from a loose port plug, eliminates wiring pinch points and significantly decreases chances of gun flooding
- Spring-loaded connectors provide automatic, solid contact between guns and subs
- Addressable switches provide real-time confirmation throughout the downhole descent
- Detonators and addressable switches located inside the gun – rather than in the sub – eliminates wires getting pinched or scraped
- Lack of wires between guns and subs provides additional protection against pinched wires and failed connections
- Easy arming and loading means faster deployment to complete more stages per day
- Shorter subs reduce string length and weight, which provides safer on-site handling and greater efficiency
- Single-use components (CCL-to-gun sub and plug shoot sleeve) enhance reliability
- Compatibility with C&J #20 setting tool eliminates disengaged bleeder nuts

SPECIFICATIONS

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| Gun OD (in.) | 3.125 (2.75 and 3.375 in development) |
| Gun Length (ft) | Up to 5 |
| Shots per Foot | Up to 6 |
| Temperature Rating of Addressable Switch | 347°F |
| Pressure Rating (psi) | 20,000 |
| Charge Phasing | 0, 60, 90 or 180° |
| Charge Types | Any standard drop-in charge |