SLOTTED-CHARGE PERFORATING GUN SYSTEM FOR CEMENT SQUEEZE APPLICATIONS

Perforating with the DYNAnnergetics Slotted Charge

- Well Abandonment: Channels in the cemented annulus allow migration of fluids or gas.
- Slotted Charge perforation intersects the channels.
- A cement squeeze of the perforated interval will create an impermeable barrier.
- Zonal Isolation: 360° circumferential contact between casing and formation with overlap of the slots.
- Integrates to standard perforating hardware.
- Gun phasing can be adjusted to slot overlap.

- Multiple Casings: Perforation penetration is restricted to the inner lying casing
- Create rectangular slots in inner casing with no damage to outer casing
- Slot dimensions in 3 3/8” slotted gun system shot centralized in 4-1/2” casing
  \( A = 35 - 38 \text{ mm} \quad (1.38" - 1.50") \)
  \( B = 7 - 9 \text{ mm} \quad (0.28" - 0.35") \)

POTENTIAL APPLICATIONS

- Well Abandonment
- Tubing/Casing Punch
  larger area of open flow opposed to conventional puncher charges
- Prefrac perforation