

The Intelligent, Gas-Driven Setting Tool

AERO Set™ is a multi-use, field-optimized setting tool fully integrated with the firing head and system logic of the AERO Perforating System. Designed to eliminate the complexity and hazards of legacy hydraulic setting tools, the AERO Set delivers a gas-driven, self-bleeding solution that redefines safety and efficiency at the wellsite.

What is AERO Set?

The AERO Set is a compact, lightweight setting tool engineered for high-tempo unconventional pump-down frac operations.

Unlike traditional tools that require hydraulic oil and complex maintenance, AERO Set utilizes a gas-driven mechanism that simplifies redress and allows for single-person handling. It is factory-integrated to pair perfectly with the AERO Perforating System, removing integration risk and simplifying deployment.

Benefits

- **Enhanced Safety:** Eliminates numerous HSE risks by removing heavy lifting requirements and ensuring no high-pressure hazards exist at the surface.
- **Operational Efficiency:** Delivers a consistent set time of approximately 10–12 seconds. The gas-only design requires only six O-rings, making cleaning and redress simple, fast and efficient.
- **Reliability:** Formulated power charges are optimized for time consistency, while the factory-integrated design removes the variables of field wiring and manual connections.
- **Reduced Field Risk:** The short, lightweight profile allows for easy handling by a single person, speeding up stage transitions.





Key Features

- **Gas-Driven & Self-Bleeding:** The tool operates without hydraulic oil and features a self-bleeding design. After setting, internal gas vents through weep holes as the piston strokes out, ensuring the tool returns to the surface unpressurized to eliminate trapped pressure risks.
- **High-Force Capability:** Despite its compact size, AERO Set is tested to reliably shear up to 55,000 lbs at high temperatures and pressures, ensuring functionality with both composite and dissolvable frac plugs.
- **Integrated Safety Logic:** Compatible with AERO Ignite, an integrated switch and igniter utilizing the AERO Perforating System firing logic. By connecting to the AERO Check surface test box, the presence of the power charge can be confirmed before running in hole. A floating igniter holder prevents electrical contact if the power charge is missing, preventing misruns or dry fires.
- **Versatile Casing Support:** The 3.25" OD main body is designed to handle 4.5" and 5.5" casings simply by swapping the setting sleeve.
- **Anti-Preset Technology:** Includes an anti-preset shear screw (~2,000 lb) to ensure the tool remains secure during run-in-hole.

AERO Set Specs

Tool OD	3.25" (82.55 mm)
Length	~32.4" (~0.82 m)
Stroke Length	7" (17.78 cm)
Maximum Setting Force	55,000 lbs
Pressure Rating	20,000 psi
Temperature Rating	350°F (176°C) w/Control
Configuration	Reusable
Casing Compatibility	4.5" and 5.5"
Power Charge	Formulated for consistency; detected by AERO Ignite

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