

3.125" Top Fired Dual Firing Heads

GEODynamics' 3-1/8" Top Fired Dual Firing Heads provide two means of detonating a perforating gun with both actuators placed on the top end of the perforating assembly. The primary actuator is a pressure-actuated firing device, with or without a pyrotechnic delay, while the backup firing system can be a safety mechanical or pressure-actuated firing device with or without a pyrotechnic delay.

The backup firing system can be one of several standard firing assemblies available in the GEODynamics TCP Product Line. This modular design allows for multiple configuration options, suitable for a variety of bottomhole conditions. The Top Fired Dual Firing Head is also available for use with the GEODynamics Auto-Release Firing Assembly, by request.

FEATURES/BENEFITS

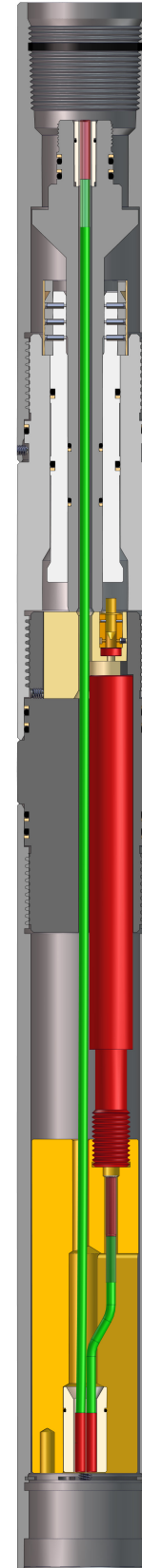
- Minimum pinning recommendation of 4320 psi
- Cannot be detonated at surface without applying pressure
- Can be run on top of GEODynamics TCP guns
- Primary actuator is pressure-actuated, compatible with multiple back-up firing assemblies.
- Available with or without a pyrotechnic delay
- Suitable for numerous bottomhole conditions
- Not affected by electrical sources or radio frequencies; radio silence not required



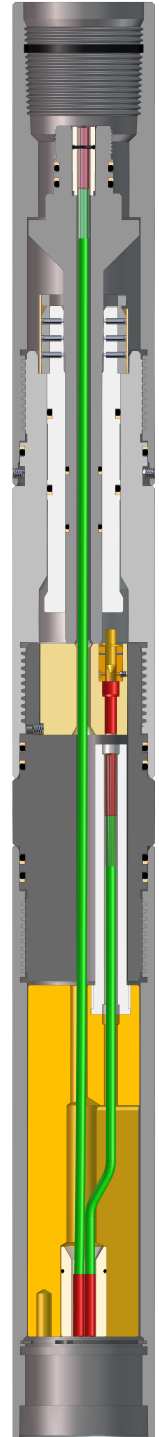
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SPECIFICATIONS

Tool Size	3-1/8" / 79.50 mm
Firing Head Type	Pressure-Actuated
Outside Diameter	3-1/8" / 79.50 mm
Minimum Operating Pressure	4,320 psi / 29.79 MPa
Maximum Operating Pressure	20,000 psi / 137.90 MPa
Shear Pin Value	540 psi @ 70°F
Delay Time (FHTF)	Six (6) minute pyrotechnic delay <i>No Delay with FHTD</i>
Calculated Tensile	170,000 lbs
Collapse Pressure	20,000 psi / 137.90 MPa
Seal Ratings	<ul style="list-style-type: none"> • 10,000 psi @ 290°F without backup rings • 20,000 psi @ 375°F with PEEK backup rings
Thread Connections	2-3/8" EU 8 RD API Box Up



TC-FHTF-31-A100



TC-FHND-0313-0000