

Dual Mode Firing Head

Titan Division | TCP Firing Heads and Hardware

Hunting Titan's Dual mode Firing Head provides a safe and reliable Direct Pressure or Bar Drop Combination Firing System for Tubing Conveyed Perforating (TCP) operations.

Actuation requires that a predetermined pressure be applied at the firing head to shear the precision retaining pins. When the pins shear, a piston moves down to release the firing piston containing the firing pin. A second option is to drop a bar down the tubing to impact the retaining rod to release the firing piston. Once the firing piston is released, the hydrostatic pressure at the firing head drives the firing pin into the percussion initiator to fire the guns.

The basic design fits 2-3/8" EU 8rd 4.7# tubing, but this tool can be made to fit 2-7/8" 6.5# EU 8rd standard weight tubing with the addition of an adapter. The design of this system uses the existing bar drop firing head, with a threaded top, and just incorporates a shear set with precision shear pins as the pressure actuating method.

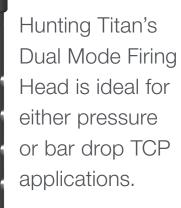
Features & Benefits

- Safe and reliable
- Uses existing proven technology for new application
- Allows the option to use pressure or a drop bar to fire the guns
- Designed for all gun sizes
- Can be used with existing Hunting Titan firing head bodies
- Can be used with the Automatic Gun Release firing system

Specifications

	Dual Mode Firing Head	With 2-7/8" Adapter	With 3-1/2" Adapter
Low-Pressure	FHPA-FHBD-000	FHPA-FHBD-000-288	FHPA_FHBD-000-350
High-Pressure	FHPA-FHBD-100	FHPA-FHBD-100-288	FHPA_FHBD-100-350
ction		1-3/16" - 12 Stub Acme	
mm]	1.90 [48.3]	2.35 [60.0]	2.80 [71.12]
gth (in)[mm]	18.29 [465]	20.00 [508]	20.85 [529.59]
(lbf) [kN]		22,000 [98]	
rating tion) (psi)[MPa]		1,800 [12.4] 2 pins	
rating [psi)[MPa]		200 [1.38]	
rating assy) (psi)[MPa]	2,000 [13.79]		
erating section) (psi)	20,000 [137.90]*		
	High-Pressure action mm] gth (in)[mm] (lbf) [kN] rating tion) (psi)[MPa] rating (psi)[MPa] rating sssy) (psi)[MPa] erating	Low-Pressure FHPA-FHBD-000 High-Pressure FHPA-FHBD-100 action mm] 1.90 [48.3] gth (in)[mm] 18.29 [465] (lbf) [kN] rating tion) (psi)[MPa] rating (psi)[MPa] rating sssy) (psi)[MPa] erating	Low-Pressure

*Peek back-up rings are required for applications above 13,000 psi



Redress K	its	Part Number	
Low- Pressure	Standard	FHPA-FHBD-000-KIT	
	High Temp. Viton O-rings	FHPA-FHBD-000HT-KIT	
High- Pressure	Standard	FHPA-FHBD-100-KIT	
	High Temp. Viton O-rings	FHPA-FHBD-100HT-KIT	