



EPIC™ Flex RFX 2-3/4"

The EPIC™ Flex RFX advanced perforating system features a versatile, addressable switch ready, portless solution that provides high levels of precision and reliability. The open architecture design allows engineering teams to plan and complete multistage plug-and-perf operations more safely, precisely, and cost-effectively.

Flex RFX can be used with most addressable switches on the market. The system's gun-to-sub and gun-to-gun connections are wireless with zero-tension connectors and are designed with a redundant, integrated grounding system.

Flex RFX can accommodate a variety of market-leading charge designs, including GEODynamics charges. Flex RFX delivers true entry hole performance with the highest levels of precision. GEODynamics can provide Flex RFX fully loaded, or ready to load, and with or without an addressable switch.

FEATURES

- Disposable and portless gun system
- Zero tension connections at each sub feed-through pin
- Integrated redundant grounding and charge tube retention
- Compliant with multiple electro-mechanical systems
- Carriers available as a turn-key system or individual component

BENEFITS

- Shorter gun strings
- Flexible utilization
- Faster loading process for service providers
- Easy troubleshooting
- Spiral shot configurations with multiple phasing options offer one (1) to 19 shots per carrier, compatible with FracIQ®, Basix™, Razor®, Connex®, Refrax™, and other charge manufacturer technologies

APPLICATIONS

- Limited entry perforating design
- Unconventional reservoirs
- Conveyable on wireline, slickline, and tubing

Industry-leading shaped charge performance equals

BETTER WELL PERFORMANCE

This performance is achieved by combining cutting edge designs, state of the art production processes, and rigorous quality control.

2-3/4" SPIRAL CHARGES

CONSTANT ENTRY HOLE AND PENETRATION

Carrier O.D.	Shaped Charge	Part Number	Perforating Condition	Explosive	Shot Density / Phasing	API 19B Targeted Pipe*	Performance in Stressed Berea (API RP19B Sec. 2)		
							EHD [^] (in)[cm]	EHD Variation Decentralized	TTP (in)[cm]
2-3/4" 11g-15g	FracIQ 30	EC2-27A1171	Fluid	11.0g, RDX	6 spf / 60°	4.5" OD P110	0.30 [0.76]	2.7 %	5.0 [12.70]
	FracIQ 35	EC2-27A1271		12.0g, RDX			0.35 [0.89]	5.9 %	
	FracIQ 40	EC2-27A1571		15.0g, RDX			0.40 [1.02]	6.3 %	

DEEP PENETRATING/EXTREME DEEP PENETRATING

Carrier O.D.	Shaped Charge	Part Number	Perforating Condition	Explosive	Shot Density / Phasing	^Casing O.D.	Performance in Concrete		Performance in Stressed Berea			
							EHD (in)[cm]	TTP (in)[cm]	EHD [^] (in)[cm]	TTP (in)[cm]		
2-3/4" 15g	2715 Connex SDP	EC2-27A1521-RC	In Fluid or Dry	15.0g, RDX	6 spf / 60°	4-1/2" L-80	Application			0.30 [0.76]	11.70 [29.72]	
		EC2-27A1522-RC		15.0g, HMX						0.31 [0.79]	12.18 [30.94]	
	EC2-27A1521	15.0g, RDX		0.39 [0.99]						37.45 [95.12]		
	EC2-27A1522	15.0g, HMX		0.39 [0.99]						37.45 [95.12]		
	EC2-27A1523	15.0g, HNS									0.31 [0.79]	10.50 [26.67]
	EC2-27A1521-E	15.0g, RDX		0.39 [0.99]						31.78 [80.72]	0.32 (0.81)	9.40 [23.88]
	EC2-27A1522-E	15.0g, HMX		0.38 [0.97]						32.75 [83.19]	0.35 [0.89]	10.60 [26.92]

DUAL CASING

Carrier O.D.	Shaped Charge	Part Number	Perforating Condition	Explosive	Shot Density / Phasing	Inner Casing		Outer Casing	
						O.D./Material	EHD (in)[cm]	O.D./Material	EHD (in)[cm]
2-3/4" 11g-15g	2711 Refrax	EC2-27A1171-R	Fluid	11.0g, RDX	6 spf / 60°	4.0" P110	0.29-0.30 [0.74-0.76]	5.5" P110	0.37-0.41 [0.94-1.04]
	2715 Refrax	EC2-27A1571-R		15.0g, RDX					

Performance in concrete represents API RP43 or API RP19B Section I testing results with the shot density/phasing, casing OD, and casing grade specified.

[^]EHD performance in stressed berea represents API RP19B Section 2 testing results with casing flat metal plate equivalent to 0.500" 120KSI yield and penetration (TTP) in stressed berea rock.

FLUID: Qualified for shooting in FLUID only with perforating systems qualified by GEOdynamics.

IN FLUID or DRY: Qualified for shooting in FLUID or DRY GAS with perforating systems qualified by GEOdynamics.