

PRODUCT PORTFOLIO PAGE

ACTS VantagePRO™ MULTI-STAGE FRACTURING SYSTEM

ACTS ABRASIVE PERFORATOR



ADVANCED COMPLETIONS
Technology Services Ltd.

Quality Engineered Solutions Creating Value for You

ACTS Abrasive Perforator is a cutting tool run on coiled tubing used to create multiple perforations in the liner providing wellbore access to the formation. Fluid (with proppant) is pumped through the tool and accelerates through the radial jetting nozzles creating high velocity streams that cut through the steel liner and penetrate into the formation. This creates a communicative entry point for pressurized fluid to enter the reservoir during stimulation operations. The perforator's nozzle's and outside protection sleeve are comprised of carbide to prevent premature wear while jetting action occurs. The perforator is usually run in tandem with ACTS Resettable Compression Packer which acts as the isolation device during cutting and stimulation operations.

Features & Benefits

- 3 120° phase erosion resistant carbide nozzles maintain their internal diameters throughout abrasive perforating operations providing consistent cuts in 5-10 minutes with minimal fluid pumping rates
- Carbide nozzles with different internal diameters are available to suit different cutting fluid rates and cutting proppant size requirements
- External carbide protection sleeve ensures perforator outside diameter erosion does not occur during cutting operations maintaining tool integrity
- Abrasive perforator is used to "fluidize" area above ACTS Resettable Compression Packer after screen-outs enabling circulation to be re-established and packer to be reliably released
- Simple and efficient design allows for easy nozzle re-dress in the field if required



Specification Table			
Tubing Size	Casing Cutting Range	Standard Nozzle Diameter	Optional Nozzle Diameter
mm	mm	mm	mm
in	in	in	in
60.3	114.3 – 139.7	6.4	4.8
2-3/8	4-1/2 – 5-1/2	.250	.188