



- Simple and robust design
- = 4 replaceable Tungsten Carbide nozzles
- Spiral nozzle configuration
- Reduced initiation pressure for subsequent fracture jobs

## PRO-FRAC

## Abraisi Jet Sub

The Abraisi Jet Sub is a perforating tool used for hydraulic pipe-cutting and perforating. Sand is pumped down the length of CT through an engineered jet directly to the casing to perforate and cut into the formation.

The tools are then moved from these perforations, and a stimulation treatment is performed by either pumping down the CT or via the annulus space between the CT and the completion. This process can be performed for every zone that requires stimulation.

PERFORMANCE SPECIFICATIONS		
Normal Size	4.5"/ 114.3 mm 15#	5.5"/ 139.7 mm 17# - 20#
Material	P110	P110
Maximum OD	3.25 in / 82.55 mm	3.7" / 93.98 mm
Pressure Rating	15,000 PSI / 103.4 MPa	15,000 PSI / 103.4 MPa
Tensile	Meeting Casing Tensile	Meeting Casing Tensile
Torque	2,420 ft*lbs / 3,280 N*m	2,420 ft*lbs / 3,280 N*m
Length	15" / 381 mm	15" / 381 mm
Number of Nozzles	4	4
Nozzle Sizes	0.125" / 3.175 mm 0.188" / 4.7 mm	0.125″ / 3.175 mm 0.188″ / 4.7 mm
Temperature	350 °F / 177°C	350 °F / 177°C

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