SPACE Focus
True spatial understanding of downhole measurment

SPACE® Focus is a state-of-the-art high-resolution cased-hole ultrasound imaging tool optimised for looking ahead of the toolstring. Using the established technology applied in medical ultrasound imaging, SPACE® is designed and built for the hostile environments encountered downhole. This allows the creation of high resolution 3D images of fish and tubular deformation profiles in most production liquids.

Features & benefits

– Run in all production fluids, optical clarity is not needed
– Robust, designed and built for hostile environments
– Precise Diagnsotics - unparalleled ability to identify downhole challenges through advanced internal diagnostics
– True Spatial Understanding - comprehensive view facilitating better decision-making
– Different pipe sizes in 1 run, thanks to its optimized resolution at a given focal lengt
– Mechnical Reliability - no moving parts which means No risk of losing data!
– Non-Invasive Evaluation. Non-contact evaluation. No risk of compromising the integrity of the well!
– Intuitive & immediate results, get 3D rendering of complex downhole completion items within seconds! And without relying on subjective interpretations
– Powered by new adaptive high-speed telemetry

Typical Applications

– Inspection and evaluation of collapsed or otherwise deformed tubing or casing
– Inspection and measurement of fish and other wellbore restrictions
– General imaging applications with extended features unavailable to optical cameras

Specifications

Physical

Outer diameter	3.2" [81.3 mm]
Length	52.2" [132.6 cm]
Weight	49.2 lb [22.3 kg]

Environmental

Maximum temperature	275°F [135°C]
Maximum pressure	7,250 psi [500 bar]

Electrical

Voltage	240 VDC
Current	200 mA

Functional

Number of sensors	192
Azimuthal resolution	1.875 deg

Operational

Logging speed	3-30 ft/min [0.9-9.1 m/min]
Logging mode	Real-time

Well conditions

Fluid	Water, brine, oil, produced liquids
Minimum casing	ID 3-1/2" [89 mm]
Maximum casing size	9-5/8" [244 mm]

Archer