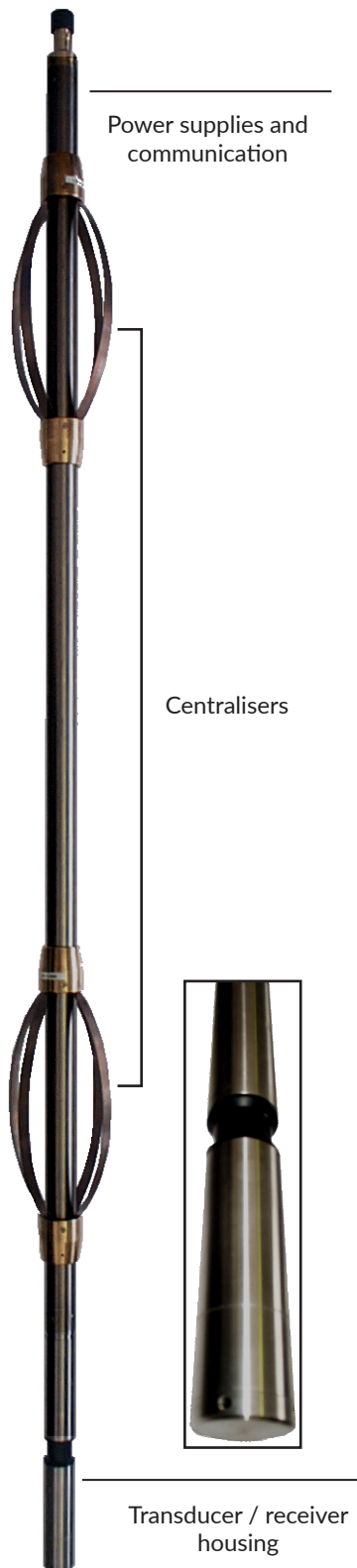


Acoustic Borehole Imaging probe BHTV 42 & BHTV 42G



The **BHTV 42** televiewer tool employs a rotating transducer mounted at the lower extremity of the tool to send a highly focalised ultrasonic pulse radially outwards towards the borehole wall up to 360 times per revolution, the amplitude and travel time of which are measured on its return to the tool after reflection at the borehole wall. This information, combined with the data given by the tool's onboard orientation system, provides an extremely detailed and orientated acoustic image of the borehole wall.

The televiewer tool is used wherever orientated geological structure information is required.

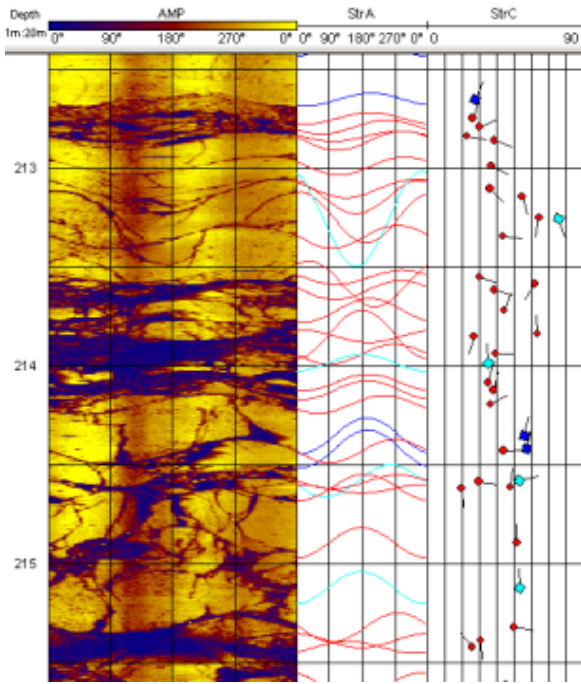
SPECIFICATIONS :

- Diameter : 42 mm
- Length : 2100 mm
- Weight : 8 Kg
- Max. Temp / Pressure : 70°C/200 bar
- Housing : titanium and non magnetic brass
- Transducer type : 1 inch focussed piezocomposite sensor and rotating mirror
- Signal frequency : 1.5 MHz
- Acoustic beam angle : 3° (3dB) conical
- Amplification : 0 to 60 dB, in 1 dB steps and AGC
- Pulses per resolution : 90, 120, 180 or 360 (horizontal definition)
- Vertical definition : Unlimited, determined by logging speed
- Rotation speed : Up to 20 revolutions per second
- Orientation : Triple magnetometers / accelerometers
- Orientation accuracy : +/-0.5° dipping ; +/-1.0° azimuth

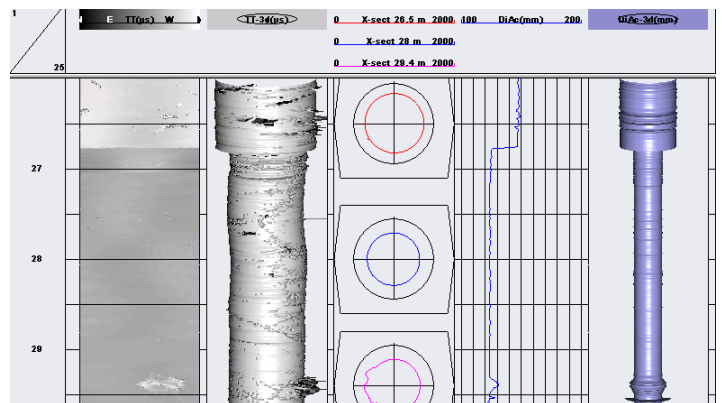
OPTIONS ACCESSORIES :

- Gamma ray sensor
- Verticality calibrator, bowspring centralisers, centraliser collar, weighter (load)

Examples

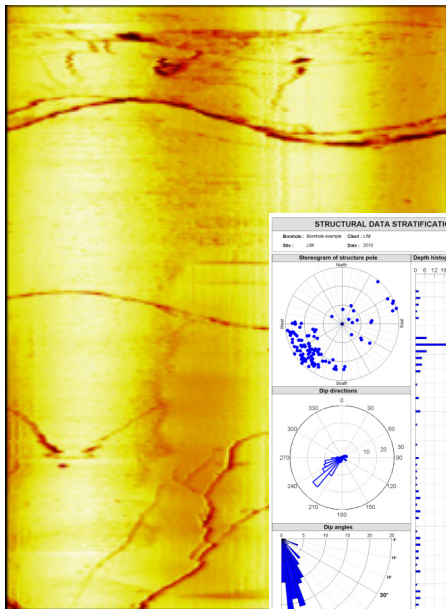


- Reflection amplitude image
- Picked structures (projection & tadpole presentations)
- Stereographic projection



- Diameter presentation based on acoustic travel time image

- Reflection amplitude image



- Structural data analysis

Borehole conditions

- clear water or drilling mud
- any borehole orientation
- non-magnetic environment for true image orientation
- any drilling method
- tool run centralised

- 3D oriented borehole

