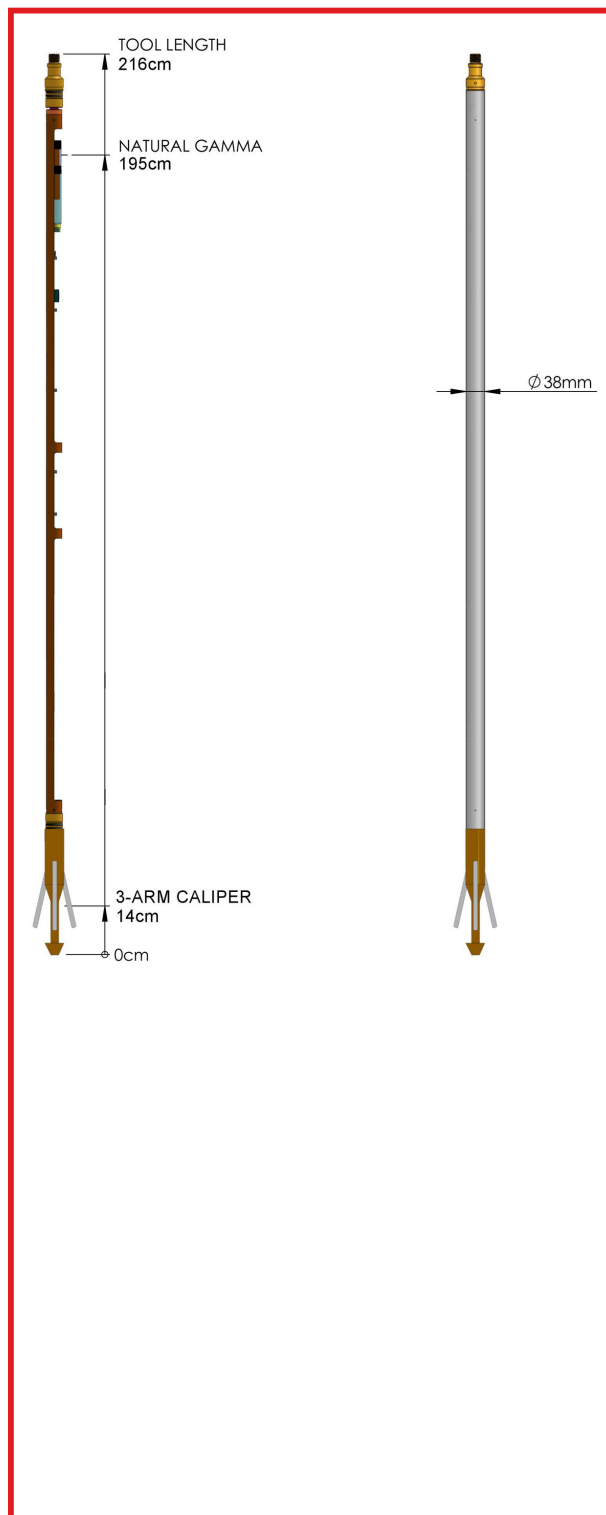


## Three-arm Caliper probe



By means of three spring-loaded arms maintained in contact with the borehole wall, the **3AC38** probe provides a representative measurement of the borehole diameter. The standard probe nose section and arms provide a high-resolution measurement over the diameter range from 40 to 300 mm. If the supplied arm extensions and nose section extension tube are installed, the upper diameter limit is increased to 700 mm.

As an indicator of enlarged zones or fractures, this log is useful both in assessing the competence of the formations and as a basis for calculating environmental corrections for other logging parameters such as fluid flow and production assessment. The basic open-hole diameter log can be integrated over depth to calculate an accurate borehole volume for cementing or gravel-packing operations.

The probe is also useful for quality control purposes, for example to verify the depth and diameter of casings and screens installed in a water well.

As an option, the probe can be supplied with a natural gamma detector to provide additional lithological information or for horizon correlation purposes.

### Specifications

- ✓ Diameter: 38 mm / 1.5 "
- ✓ Length: 2160 mm / 85 " (short arms)  
2470 mm / 97 " (long arms)
- ✓ Weight: 8 kg / 17.6 lbs
- ✓ Max. operating Temp: 70°C / 158 °F
- ✓ Max. operating Pressure: 200 bar / 2900 psi
- ✓ Power supply: 70 to 100 Vdc

### Data / sensor parameters

- ✓ Diameter measuring range: 40 to 700 mm / 1.57 to 27.5"
- ✓ Diameter resolution: 0.1 mm / 0.004"

### Accessories / options

- ✓ Natural gamma detector: ø25 x 50 mm NaI(Tl) crystal
- ✓ Calibration jig

### Borehole conditions

- ✓ Open or cased borehole
- ✓ Fluid-filled or dry borehole