2 3/4" BHC Sonic Tool

Product Reference: 050-FG000-4000

The small diameter Bore Hole Compensated (BHC) Sonic Tool uses two acoustic transmitters and two acoustic receivers arranged in an oil filled stainless steel slotted sleeve mandrel to provide industry standard 3 ft. and 5 ft. transmitter-to-receiver spacing.

The BHC Sonic is designed to provide dual 3 ft. and 5 ft. transmitter-receiver signals to the surface to compensate for unequal mud-travel times caused by de-centralization of the tool in the well bore and for borehole irregularities. The resultant calculated travel times are compensated to yield a true Δt. The tool utilizes logarithmic amplifiers to obtain first arrival signals in even the worst of borehole conditions.

Using the compensated calculated Δt, true acoustic derived porosity of the formation lithology is calculated.

SPECIFICATIONS – 2 3/4" BHC SONIC TOOL

Diameter	2 3/4"	6.9 cm	**Mechanical:**	
Length	166"	4.2 m	**Top Connection**	10 pin Probe OHCH 2 3/4"
Weight	150 lb.	68 kg	**Bottom Connection**	10 pin Probe OHCH 2 3/4"

Limitations:

Maximum Pressure	18,000 psi	124.1 MPa
Maximum Temperature	325°F	162°C

RELATED PRODUCTS

- 050-FE500-0000 Array Induction Profiling Tool
- 050-FA405-0000 BHC Density Tool
- 050-FA300-1000 BHC Litho-density Tool
- 050-FA200-0000 Open-hole Gamma Ray Tool
- 050-FA100-0000 Compensated Neutron Tool
- 050-FG010-0000 Bowspring Centralizer
- 035-AS000-0024 Vertical make up plate

Note: The 2 3/4" BHC Sonic Tool is combinable with the Array Induction Profiling Tool (AIPT), the 2 Arm Caliper, the 2 3/4" Compensated Neutron Tool and the 2 3/4" Open-hole Gamma Ray Tool.

At Probe, we design, manufacture and service specialized modular downhole tools and systems. Our tools are used in formation evaluation, well integrity assessment and well productivity determination across the global energy industry.