

RADII® CEMENT BOND TOOL - HD - 1 11/16 IN.



SKU: 050-RB169-1000

Categories: [Cased Hole Wireline](#), [Cement Evaluation](#), [HD Platform™](#), [RADii](#), [Well Integrity](#)



PRODUCT DESCRIPTION

The small/medium diameter RADii® HD Segmented Cement Bond Tool uses a single ceramic transmitter, an eight segment receiver at 3 ft. and a single receiver at 5 ft. spacing. The segmented receiver generates a cement map which enables identification of cement channeling while the single receiver generates the traditional cement bond log (CBL) and a variable-density log (VDL).

Ratings & Dimensions

Max Temperature	350°F (177°C)
Maximum Pressure	15,000 psi (103.42 MPa)
Outer Diameter	1.69 in (43.0 mm)
Length	8.60 ft (2.62 m)
Weight	41 lb (18.60 kg)
Tensile Strength	Tension & Compression: 15,000 lb Torque: 150 ft-lb
Materials	SST
Measure Points	Amplitude, TT: 4.3 ft (1.3 m) VDL, Signature: 3.3 ft (1.0 m)
Min/Max Csg/Tbg OD	Min: 2.38 in (60.45 mm) Max: 7.50 in (190.50 mm)

Borehole Conditions

Borehole Fluids	Salt, Fresh and Oil
Tool Positioning	Centralized with one each centralizer above and below

Hardware Characteristics

Source Type	One piezoelectric crystal fired at 20 kHz, 50 msec intervals
Sensor Type	Omni Receiver: One 20 kHz piezoelectric Radial Receiver: One 8 segment 20 kHz piezoelectric



Fire Rate	20/sec
Waveform	Analog: 3 ft (.9 m), 5 ft (1.5 m), Digital: Telemetry Data
Record Time	1300µs for each receiver, 250 µs for each sector
Connections	Top: GOI box Bottom: GOI pin
Combinability	GR, CCL, ProMac, iQ, Temperature
Acquisition Mode	SRO w/ TCU Mem w/ MLT

Electrical Specification

Current	38 mA @ 130V
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Version Control: 2021.11.11

On-line specifications are for REFERENCE ONLY and subject to change without notice. DO NOT USE FOR FIELD OPERATIONS.