

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	<b>Tension &amp; Compression:</b> 15,000 lb <b>Torque:</b> 150 ft-lb
Materials	SST
Measure Points	<b>Amplitude, TT:</b> 4.3 ft (1.3 m) <b>VDL, Signature:</b> 3.3 ft (1.0 m)
Min/Max Csg/Tbg OD	<b>Min:</b> 2.38 in ( 60.45 mm)   <b>Max:</b> 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	<b>Omni Receiver:</b> One 20 kHz piezoelectric <b>Radial Receiver:</b> One 8 segment 20 kHz piezoelectric



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

Electrical Specification

<b>Current</b>	38 mA @ 130V
----------------	--------------

Version Control: 2021.11.11

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