



3 3/8" Product Line

6-Arm Caliper

The 6-Arm Caliper tool is a motorized instrument. All six arms provide individual measurements. The six caliper signals are generated by using high-resolution precision magnetic sensors and cover a range between 101 and 786 mm (4 and 31 inch). An extension arm kit allows for measuring borehole diameters up to 1094 mm (43 inch). From the six independent radii measurements, an average borehole diameter and X - Y - Z average diameters can be calculated.

Specifications			
Diameter:	86/92 mm	(3.39/3.62")	Sensors: Magneto Resistivity Angle Sensors
w/extension arms:	127 mm	(5.00")	
Length:	2478 mm	(97.6")	Measure Point (from bottom): 608 mm (23.9")
Weight:	77 kg	(170 lbs)	
Max. Temp:	175°C	(350°F)	
Max. Pressure:	140 MPa	(20 000 psi)	
Telemetry required:	yes		
Top Connector:	yes		
Bottom Connector:	yes		

Measuring Parameters:

<u>Measuring Range:</u>		<u>Accuracy:</u>	
Cal:	101-786 mm (4-30")	1% of Measured Value ± 5 mm	(0.2")
w/extension arms:	127-1094 mm (5-43")	* with a data distance of 50 mm	(2")

Logging Parameters

Recommended		Recommended	
Min. Hole Diameter:	150 mm (5.9")	Logging Speed:	30 m/min (5900 ft/hr)
Max. Hole Diameter:	786 mm (30.9")	Sample Rate:	selectable
w/extension arms:	1,094 mm (43.1")		

Displayed Standard Curves

Rad1, Rad2, Rad3, Rad4, Rad5, Rad6	Measured radii in six directions in mm or in
Cal14, Cal25, Cal36	3-axis Caliper from six independent radii in mm or in
Caliper in mm or in	Average Borehole Diameter
Image Caliper	

Used in combination with 1211 Orientation additional:

AZ in deg	Azimuth	Caliper offset from magnetic north
RB in deg	Relative bearing	Rotation of Rad1 from high side

Combinability

With all other 3 3/8" instruments

