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TECHNICAL DATA SHEET

MFC 60

Multi-finger Caliper (60 finger)

The 60 sensor Multi-Finger Caliper (MFC60) is used to log the internal surface of larger sizes of casing, providing highly accurate measurements of the profile of the internal well-bore geometry and barrier condition.

Through its high resolution and high data density measurement the MFC60 provides a continuous map of the well's internal surface delivering detailed understanding of downhole geometries and barrier condition.

The tool includes a sensor, to ensure features can be orientated during data processing and an enhanced 3D image of the wellbore produced. An internal motor is activated from the surface logging system or by the memory/battery tool to open the fingers downhole prior to logging.

APPLICATIONS:

- Casing corrosion and erosion
- Drilling wear evaluation of casing
- Plug and packer setting depth assurance
- Scale build-up and removal quantification
- Perforation hole mapping
- Evaluation of condition of completion items
- Time lapse studies and life of well projections
- Well access modelling

BENEFITS

- Improved understanding of well integrity from high-density, high-precision measurements of tubular dimensions
- Compact or extended fingers available for greater range and flexibility
- Deployable on Slickline, Electric line, Coil Tubing and Tractor
- Suitable for all well deviations including horizontal
- Comprehensive range of log analysis and report services available from READ

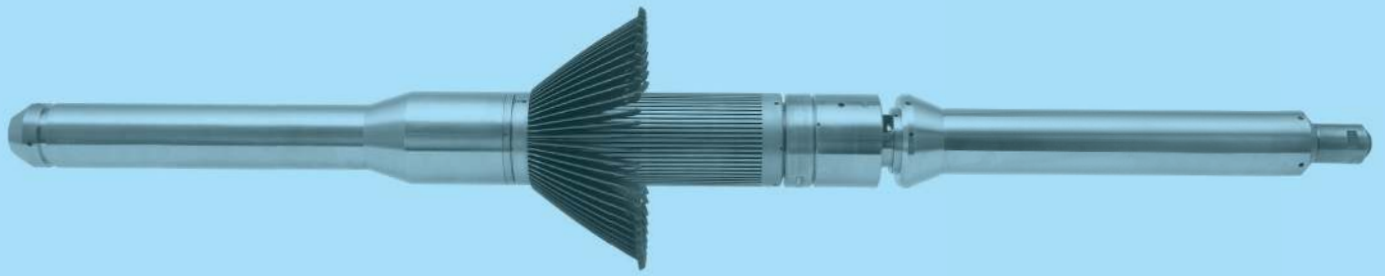


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Specifications

	Compact fingers	Extended fingers
Temperature rating	350°F (177°C)	
Pressure rating	20,000 psi (137.9 MPa)	
Tool diameter	3.9 in (99 mm)	4.4 in (112 mm)
Tool length	61 in (1.55 m)	
Tool weight	95.7 lb (43.5 kg)	
Measurement range	4.0 - 10 in (102 - 254 mm)	4.5 - 14 in (114.3 - 355.6 mm)
Accuracy, radial	±0.025 in (0.635 mm)	±0.030 in (0.762 mm)
Resolution, radial	0.003 in (0.076 mm)	0.005 in (0.127 mm)
Finger tip width	0.064 in (1.63 mm)	
Finger contact force	0.75 – 1.25 lbf (3.4 – 5.7 N)	
Logging speed	Recommended: 30 ft/min (10 m/min) Maximum: 60 ft/min (20 m/min)	
Nominal Casing/Tubing range	5 - 10 3/4 in	5 1/2 - 13 5/8 in
Materials	Corrosion resistant throughout	