



Shortstak® Bidirectional Bowspring Centralizer

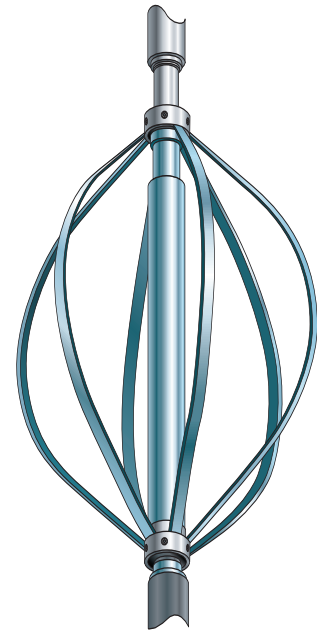
Shortstak production logging tools help evaluate reservoir conditions, diagnose problems and manage well performance. These surveys evaluate performance problems, identify mechanical failures, improve well productivity and assist in reservoir management and surveillance for both production and injection wells.

The standard production logging toolstring consists of:

- Flow meters to measure downhole flow rates.
- Fluid identification tools to evaluate flow-stream composition.
- Pressure and temperature surveys to identify areas of inflow and assist in estimating downhole fluid properties.

Other specialty devices can be added to the toolstring to provide additional measurements. When run in the correct sequence these tools provide conclusive solutions to production problems.

The bowspring centralizer centers the production logging toolstring in the wellbore. Centralizers are available in both motorized and nonmotorized configurations.





Shortstak[®] Bidirectional Bowspring Centralizer

Applications

- Production profiles.
- Injection profiles.
- Diagnosis of mechanical problems.
- Slim-hole logging.
- Channel location.
- Detection of surface casing leaks.

Specifications

Mechanical

Diameter 1 3/8 in. (35 mm)
Length 34.5 in. (87.6 cm)
Weight 9.5 lb (4.0 kg)

Environmental

Pressure 17,000 psi (117 MPa)
Temperature 350°F (177°C)
Spring range 2 in. (51mm)–10 in. (254 mm)

(2 3/8 in. [60 mm] tubing–9 5/8 in. [244 mm] casing)