

## M-SERIES STAGE TOOL



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### APPLICATION

M-series Stage Tool is designed to ensure cement integrity in wells that require selective zonal isolation. The tool can be either run for collar or stage cementing with the corresponding open-hole packer. When the ball is dropped and then lands on the circulation sub, increased internal casing pressure hydraulically sets the open-hole packer, opens the stage tool, enabling circulation and then cement to pass through the ports into the annulus above the packer. The plug when released, pushes the slurry and wipes the casing ID clean of cement before bumping on a landing seat. Increased pressure shifts the closing sleeve downward and closing the tool. Locking mechanism ensures the Stage tool is in closed position.

- Stage Tool casing / liner applications.
- Vertical, directional and horizontal wells.

### FEATURES AND BENEFITS

- Tool is actuated hydraulically or by dropping the blind plug, when specified in job procedure or hydraulic opening is not available.
- Adjustable activation pressure.
- The locking mechanism holds the collar in open/closed position.
- All internal components are PDC drillable.
- Full-bore ID after milling.

### SUPPLY PACKAGE

- M-series Stage Tool.

### TECHNICAL DATASHEET

TECHNICAL CHARACTERISTICS	VALUE
<b>Liner size, in</b>	<b>7.000</b>
Max OD, in	7.913
Min ID after milling, in	6.260
Length, ft	3.6
Tensile, kip	281
Burst, psi	7,977
Collapse, psi	5,000
Material*	P-110
Max working temperature, °F	248

\* Other options are available as per Customer request.