

STAGE COLLAR WITH DISSOLVABLE INSERT



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APPLICATION

Stage Collar with Dissolvable Insert is designed to ensure cement integrity in wells that require selective zonal isolation. The tool is run 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.

- Collar cemented casing / liner applications.
- Vertical, directional and horizontal wells.

FEATURES AND BENEFITS

- Hydraulically actuated tool.
- Adjustable activation pressure.
- Locking mechanism holds the collar in open/closed position.
- Tool cannot be used in a conjunction with Liner Hanger.
- Internal elements of the sleeve are made of a soluble material.
- All internal components are PDC drillable.
- Full-bore ID after milling/dissolution.

SUPPLY PACKAGE

- Stage Collar with Dissolvable insert.

TECHNICAL DATASHEET

TECHNICAL CHARACTERISTICS	VALUE
Liner size, in	7.000
Max OD, in	7.913
ID after milling, in	6.260
Length, ft	4.2
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.