

# PIVOTAL™ PROGRESSING CAVITY PUMP

GIVE YOUR PUMP A  
SECOND LIFE

## EXTEND PC PUMP RUN LIFE

Significantly extend PC pump run life between costly replacements with the Lifting Solutions PivotAL progressing cavity pump rotor.

Different from a conventional rotor, the PivotAL rotor (patent pending) has several, alternating 12-in. long sections of interference and clearance fit. During operation, the clearance fit sections do not create a seal with or contact the stator elastomer, which leaves these sections free of contact damage. As a result, conditions that normally produce burnt, chunked, fluid washed, or worn stator failure modes, do not damage the clearance stator sections. Later, these intact stator sections can be used to pump.

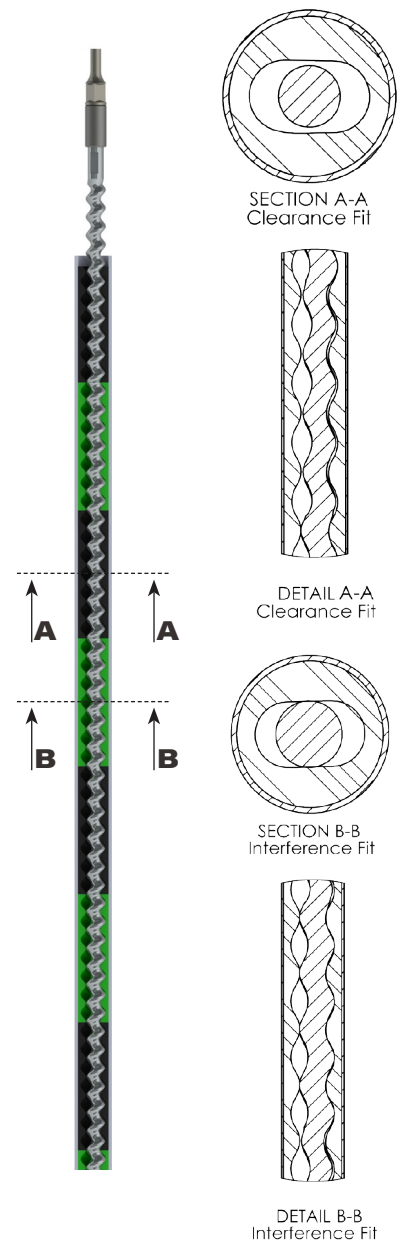
When the interference pumping sections of the PivotAL pump start to wear, the pump can be quickly restored by lifting the rotor up 12 inches above its original installed position using a ushby or Endless Rod® Unit (ERU). This rotor adjustment moves the interference-fit sections of the rotor out of the worn sections of the stator and into the intact sections; the clearance-fit sections of the rotor are moved into the worn sections of the stator. A successful rotor lift will restore operating efficiency of the pump and result in significant savings for the operator by extending pump run life.

## BENEFITS

- Rigless pump restoration allows the operator to restart production quickly and extend pump run life between pump replacements and tubing pulls.
- Up to 12 inches of rotor spacing enables the operator to preventively reseal the pump as wear occurs, limiting the acceleration of fluid washing and extending the life of the pump seals.
- In cases where a rotor adjustment is not feasible, a low-cost rotor replacement can be performed to restore pump efficiency.

## MODEL GEOMETRIES

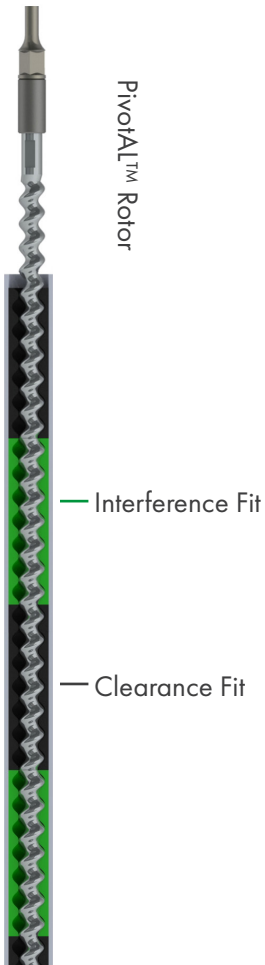
- PivotAL PC pumps are available in most Lifting Solutions conventional models as well as several of our TorsionAL models. Contact your Client Solutions Representative for availability and technical specifications.



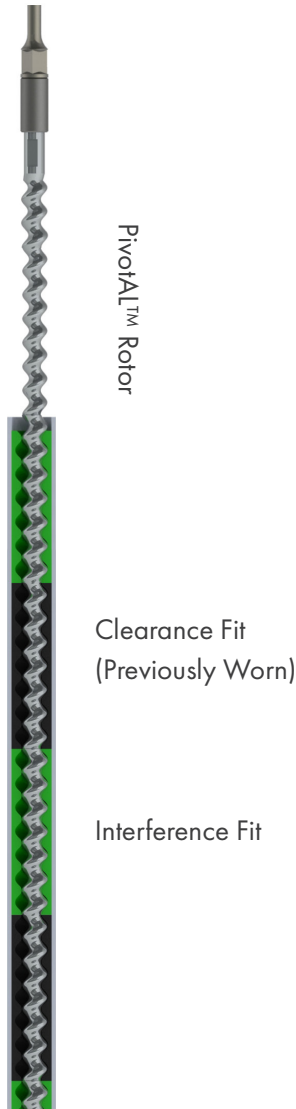


## PIVOTAL POSITIONS

### INITIAL POSITION



### ROD LIFT POSITION



### ROTOR REPLACEMENT POSITION

