



# Improved annulus integrity Multistage cementing system

**Cflex**® technology enables high-performancemultistage cementing. Qualified “gas tight” equivalent to ISO 14998 VO:2013 and with a permanent lock system, Cflex® performs to the highest integrity standards.

Despite advances in cement technology, annulus integrity is one of the biggest challenges facing the industry, both in terms of frequency and impact. The Cflex® cementing system improved annular seal integrity and overcomes the shortcomings of previous stage cementing technology. In designing Cflex®, our engineers focused on four key areas, integrity, flexibility, efficiency and performance.

## Benefits

- Improved annulus integrity and zonal isolation
- Security and confidence in gas tight sealing capability and mechanical integrity
- Easy installation and single-trip operation of multiple Cflex® devices
- Precise and conclusive operation for open, close and lock; no risk of accidental lock
- Improved operational efficiency and effectiveness
- Versatility and flexibility for multiple applications
- Slim design minimises ECD effects
- Large flow area ports maximise possible flow rate

## Features

- Sealing system qualified to ISO 14998 VO equivalent
- High burst, collapse, torque and tensile ratings
- Full bore ID matches casing ID and slim OD
- Closing utilising push/pull movement
- Permanent close function
- Unlimited number can be installed in liner or casing string
- Can be shifted with high differential pressure without damaging seal
- Large port flow area; 4.4 sq.in. minimum
- Inner sleeve hard coated to reduce wear; anti-rotation system
- Suits all type of premium casing threads
- Wide range of sizes, materials available

## Specifications

Casing sizes	7-16"
Temperature rating	40-350 degF [4-150 degC]
Standard material	Per application
Elastomer material	Per application
Permanent lock feature	Yes
Max. flow	14 BPM
Qualification	14998 VO



Cflex® multifunction operating tool controls  
Cflex® selectively and precisely



Cflex® dart catcher

