

# Centramax<sup>®</sup> PT1, Pull-Through Sub Technology

Unique to the market, this centralizer option for ultra-close tolerance applications allows the centralizer to be pulled and/ or reciprocated both in and out of the restriction with specially designed window openings in the centralizer's end collars, which are anchored with integral machined sub body anchors.

## APPLICATIONS:

- Design allows for pulled and/ or reciprocation type applications

## FEATURES AND BENEFITS:

- Centralizer is always pulled when windowed centralizer end collars are installed over integral machined sub body anchors
- For use when annular clearance casing O.D. and restriction I.D. are sufficient (approx. 3/16" minimum of radial annular clearance is required)
- Sub body installation reduces the centralizer's O.D., which allows the centralizer to safely and effectively pass through narrow I.D. restrictions
- Centralizer is produced from a single-piece of heat-treated steel, which minimizes potential for weld and component failures, and provides optimum performance for today's most challenging wellbore configurations

## OPTIONS:

- Centralizer can be installed by our trained installation technicians at most of our facilities or remotely at the customers preferred installation location
- Centralizer – US Patent No. D718,342
- SUB Body – Patent Pending

