

Well Construction

Cementing Technologies

ONEFIT™ Guide Shoe

A revolutionary, threadless guide shoe installed inside existing casing. The ONEFIT™ Guide Shoe uses a composite insert bonded into the parent casing to provide a modular shoe interface without casing threads or a dedicated threaded shoe joint.

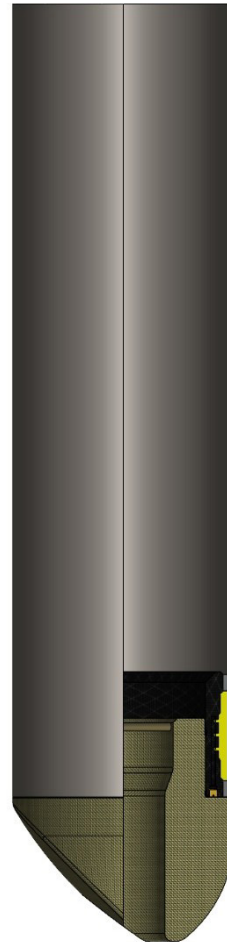
Its universal architecture retains the core advantages of the ONEFIT™ system: compatibility independent of casing weight, grade, or connection; a large internal ID; and an off-the-shelf configuration that helps reduce lead time, inventory, and reliance on connection-specific equipment.

Installation

1. **Prepare the casing.** Clean and prepare the internal casing surface at the installation location
2. **Install the composite insert.** Position the insert inside the existing casing and apply the qualified epoxy system
3. **Allow the bond to cure.** Maintain the assembly undisturbed for a three-day cure period
4. **Install the guide shoe.** Fit the guide shoe into the cured composite insert to complete the assembly

Features and benefits

- **Threadless interface** eliminates casing-connection matching and float-equipment thread make-up
- **Universal application** across compatible casing weights, grades, and connection types
- **Modular configuration** allows the guide shoe to be installed after the bonded insert has cured
- **Large internal ID** preserves flow area to help reduce surge and pumping pressure
- **Low-profile installation** removes threaded shoe-joint connections and minimizes additional assembly length
- **Composite construction** supports rapid drill-out
- **Off-the-shelf readiness** reduces custom-order lead time and connection-specific inventory
- **Robust mechanical performance** demonstrated by successful pump-out testing and maximum set down weight testing of up to 250,000 lbf



ONEFIT™
Universal. Modular. Insertable.