

# EXPAND-O-LIZER<sup>®</sup> ESTD-T

Extreme Service Tear Drop-Taper Centralizer



## Product

Varel Energy Solutions Expand-O-Lizer 'Extreme Service Tear Drop - Taper' is the ultimate engineered solution for under-reamed casing applications. Utilizing the already proven Expand-O-Lizer ES unique patented design and now incorporating an offset tear drop taper blade design, the Expand-O-Lizer ESTD-T lowers insertion forces and increases blade strength, providing superior standoff in the open hole sections.

## Features

- Single piece, spring steel design.
- Unique design significantly reduces insertion and running forces.
- Integral bi-directional drive collar c/w engineered high holding force set screws.
- Testing criteria exceeds industry standards.

## Options

- Centralizer placement / T&D analysis available.
- Dedicated engineering support team.
- Product designed to meet specific application requirements.
- Size range from 4-1/2" – 28".