

# EXPAND-O-LIZER<sup>®</sup> SS

Standard Service Bow Spring Centralizer

## Product

Varel Energy Solutions Expand-O-Lizer 'Standard Service' is a one-piece semi-rigid bow. Manufactured from spring steel to allow for flexing when in gauge hole applications, where the operator is concerned that swelling/shifting shales are present that could impede a solid blade centralized string from getting to T.D.

## Features

- Non-welded, robust one-piece design.
- Suitable for rotation due to axial rigidity.
- High restoring forces exceeds industry standards.
- Spring steel flexible design significantly reduce running forces and allows easy passage through wellbore obstructions.
- Gauge hole OD offering maximum standoff.
- Suitable for onshore installation reducing rig time costs and HSE exposure.

## Options

- Centralizer placement / T&D analysis available.
- Dedicated engineering support team.
- Size range from 2-7/8" – 30".