

# Well Construction

## Cementing Technologies

### Rigid Steel Centralizers

Expro's Rigid Steel Centralizers come in a spiral vane or straight vane design for seamless entry into to wellbore while providing maximum casing standoff.

#### Features and Benefits

- Solid steel blade construction supports self-cleaning in the wellbore while minimizing fluid restriction and drag
- The centralizers allows for rotation and reciprocation of the casing.
- All centralizers are manufactured with welded heavy gauge steel with a 1" vane
- Vanes have a 45 degree chamfer on the top to reduce friction and ease of running into casing
- With the slip on design, the centralizer can be installed between two stop collars or casing collars
- Manufactured in all common casing and hole size combinations from 2.875" up to 22". (Recommended to run with slip on HD stop collar)
- Superior strength and design offers maximum standoff even in horizontal wells, while overcoming wellbore lateral forces
- Developed for use in long string cementation highly deviated wells

