

# HOW IT WORKS

The ERCD can easily accommodate a wide variety of flow rates and mud weights, without hindering cement transfer through the tool. Designed for single use, the tool can be easily scaled for any casing size and flow rates.

## Technical Specifications

|   |   |
|---|---|
| Tool Size (OD)  | 5.00" (127 mm)                            |
| Overall Length  | 217" (5.51m)                              |
| Weight  | 800 lbs. (363 kg)                         |
| Recommended Flow Rates<br>Can be tuned for different flow rates; inquire with sales   | 100-200 gpm (0.4-0.8 m <sup>3</sup> /min) |
| Temperature Range   | 300°F (150°C)                             |
| Operating Frequency   | 3-4 Hz                                    |
| Operational Pressure Drop Generated (1,200kg/m <sup>3</sup> )                         | 900-3,300 psi (6,205-22,800 kPa)          |
| Operational Pressure Drop Generated (1,200kg/m <sup>3</sup> @ 0.4m <sup>3</sup> /min) | 1,600 psi (11,000 kPa)                    |
| Max Pull  | 380,000 lbs. (1,690 kN)                   |
| Torsional Load to Yield Body Connection   | 17,000 ft.Lbs (23,050 Nm)                 |
| Connections*  | 4.5 LTC Box                               |

\*Other connections available upon request



### CT ENERGY SERVICES

403.228.3955

info@ctenergyservices.com

www.ctenergyservices.com



### RETURN TOOLS TO

Dynomax Drilling Tools • 7501 - 42 Street • Leduc, AB T9E 0R8

Dynomax Drilling Tools • 309 Sawyer Road • Estevan, SK

### STOCK POINTS

Leduc, AB • Estevan, SK • San Angelo, TX • Williston, ND • Vernal, UT • Bogata, CO • Dubai, UAE

# ERCD

Extended Reach Casing Device

NEGATIVE PRESSURE PULSE, FRICTION REDUCTION TOOL.

The dependable ERCD improves casing installation, ensuring the completion of wells to target depth. Situated directly above the casing shoe, the ERCD creates an axial vibration and uses surplus stacked weight to reduce the excess drag of the casing string and allow it to slide effectively. As an added benefit, the liquefaction of cement, assisted by the vibration of the "ERCD", ensures drilling fluid is displaced effectively, resulting in a more reliable cement job and reduced fluid channeling.

## KEY POINTS

- Improve helical buckling threshold
- Effective use of stacked weight to increase reach
- Improve cement liquefaction
- Only active while pumping
- A single-use, cost effective insurance, for accessing targeted production zone
- For use with any casing shoe selection

