

# ProMILL Duo™ ER (Extended Reach)

Dual casing, trip-saving milling system

## APPLICATIONS

- Plug and abandonment operations
- Sustained casing pressure remediation

## ADVANTAGES

- The ProMILL Duo system greatly improves efficiency and reduces cost in a dual string application by eliminating the need to mull up the inner string from the surface to top of cement, when a section needs to be milled in the outer casing for setting a cement plug
- The ProMILL Duo ER allows for greater extension and improved functionality
- Multiple trips to mill up the inner casing are eliminated due to the small drift of this tool and the high expansion ratio

## ProMILL Duo™ ER

The ProMILL Duo ER features a further extension to its higher reach opening during section milling operation. It drifts through a smaller casing and mill a section in the outer casing.

| PROMILL DUO ER SPECIFICATIONS                         |                  |                  |                            |
|-------------------------------------------------------|------------------|------------------|----------------------------|
| Tool Series                                           | 5600 ER          | 5500 ER          | 4000 ER                    |
| Opening Diameter, in.                                 | 11.38            | 11.60            | 8.290 (32#)<br>8.030 (23#) |
| Body OD, in.                                          | 5.6              | 5.5              | 4.1                        |
| Fishing Neck OD, in.                                  | 5.0              | 5.0              | 4.1                        |
| Fishing Neck Length, in.                              | 16               | 16               | 20                         |
| Body Connections, in.                                 | 4½ Reg Box X Box | 4½ Reg Box X Box | NC31 x 3.000-6 Stub Acme   |
| Top Sub Connections, in.                              | 3½ IF Box        | 3½ IF Box        | NC31 Box                   |
| Bottom Sub Connections, in.                           | 4½ Reg Box       | 4½ Reg Box       | 2¾ REG Box                 |
| Weight, lb (Section Mill only)                        | 338              | 336              | 130                        |
| Weight, lb (Mill BHA, with Stabilizer and Timing Sub) | 1160             | 1146             | 335                        |
| Overall Length, in. (Section Mill)                    | 67               | 70               | 50                         |
| Overall Length, in. (with Stabilizer and Timing Sub)  | 215              | 220              | 120.6                      |
| Tool Tensile Yield Limit, lbf                         | 500,000          | 500,000          | 400,000                    |
| Inner Casing, in.                                     | 6⅝               | 7.0              | 5.0                        |
| Outer Casing, in.                                     | 9⅝               | 9⅞               | 7.0                        |
| Blocks Opening, in.                                   | 8.765            | 8.50             | 6.241                      |

