



SURE PULSE LOWER END

The Sure Pulse Lower end was developed with the intention to create a lower end that would be capable of competing with top mounted pulsers without the power consumption and increase the pulsers performance. Working in collaboration with the Colorado school of Mines we have finely tuned the design with the aid of fluid dynamics run on their super computer. With their assistance Focus's lower end is capable of achieving faster transmission speeds while keeping the ability to handle large amounts of LCM.

Features and Benefits

- Fluted shaft to help increase the amount LCM the lower end can handle
- Shorter Spring Housing, Manufactured to last longer by not bowing spring in the middle
- The new shorter Spring Housing has a patented HVOF process applied to the high wash area at the intake holes
- Larger Helix wall thickness, increases torsional strength by 35% and bend sheer strength by 30%
- External ram stop
- Retrievable and Collar Mounted versions available

Customers Have Reported

- 4x Longer life expectancy over standard tensor lower ends
- Significant increase in LCM tolerance
- 20-30% pulse amplitude increase
- Cleaner, more consistent pulses especially at deeper depths.
- Increased data rates, up to .5 sec pulse widths

