

MultiStim Fracture Isolation System

MultiStim Drill-a-Seat Frac Sleeve

- Can be run in either vertical or horizontal applications
- Adjustable opening pressures

The Drill-a-Seat (DAS) Frac Sleeve is a ball activated shifting sleeve used for diverting fluids to different sections of a wellbore. The DAS can be run in a vertical or a horizontal position. The shifting balls are dropped from the surface and when seated, the area below the DAS is isolated. Pressure applied to the ball and ball seat shifts the ball, ball seat, and the inner sleeve down into the open position. The opening pressure of the sleeve is adjustable — up to 10 shear screws at 1848 kPa (268 psi) per screw can be used. Once shifted, the inner sleeve is locked in the open position. Fluid can then be diverted through the open side ports (20 in² flow area). By utilizing different size ball seats and shifting balls, up to twenty-six (26) different DAS tools can be run in a single installation. After stimulation operations are completed, the frac balls can then be flowed back into a downhole ball catch sub, landed into the liner top packer, or back to the surface. The ball and ball seat can also be drilled/milled out as required. A standard mill can be used for drill out. (99.57 mm (3.92") ID after milling out seats.)

Ball Seat and Sleeve

The MultiStim Drill-a-Seat Frac Sleeve is compatible with 17.26 kg/m (11.6 lb/ft) and 20.09 kg/m (13.5 lb/ft) casing weights, and is suitable for open hole sizes 146 mm (5.75") and larger. The tool running outer diameter is 137.67 mm (5.42"). The DAS can be placed between hydraulic or inflatable open hole packers in open hole applications for selective fracture stimulation at different intervals in a wellbore. Up to twenty-six (26) different zones can be stimulated in a single installation.



