

## **Dual Angled Flanged Side Entry Sub DAFSES**

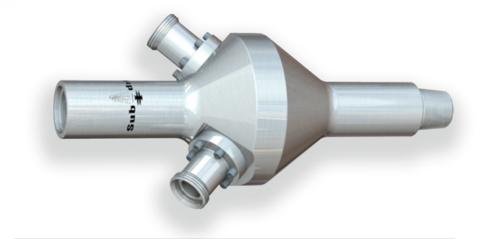
Also available as a single entry sub (AFSES)

The DAFSES was developed from existing proven designs as a multi-purpose tool that can be used in a number of drilling operations, including but not limited to:

- > Wireline / Logging tool entry
- Remote Control Ball or Dart drop via Air Actuated Valves to activate a Downhole Tool
- > Frac Pumping Y and Frac Pumping Head
- > Surface Ball or Dart Drop Sub
- > Introducing Mud Additives

## **Benefits**

- > The flanged side entry connection can be replaced easily if damaged
- > Available with working pressures up to 15,000psi
- > Compact flange design
- > Large ID versions available
- > Available with all types of rotary shoulder connections including Proprietary connections, VAM, NOV Grant Prideco, Tenaris etc.
- > Finite Element Analysis carried out to ensure reliability and good service life
- > Also available as a single entry sub (AFSES)



## Sub-drill

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