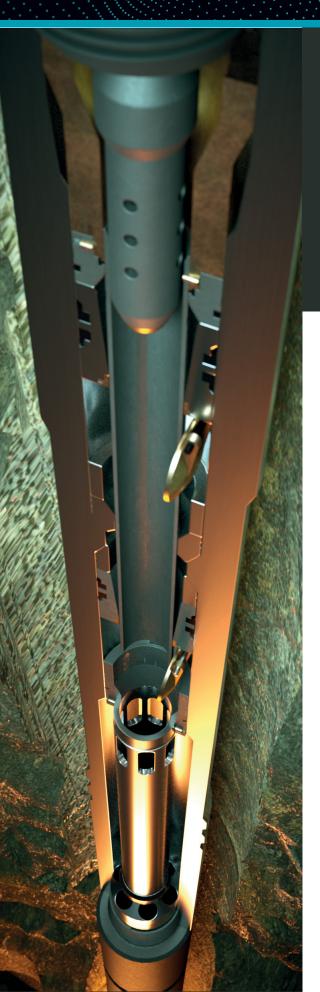


## Self-Filling Float



The Self-Filling poppet or Rapper style-floats enable operators to accelerate trip times, saving up to 18 minutes per 1,000 ft run in hole by allowing self- Filling and eliminating time-consuming top Filling.

The robust hold open mechanism allows for MWD and other shallow hole testing without premature float activation issues. Replacing the need for traditional floats, the Self-Filling Float, offers dual protection and through bore access prior to activation.

The tool is activated by a unique smart dart and requires no additional equipment or personnel. Simply drop the dart from surface on approach to the shoe to provide protection while drilling the section.

## **BENEFITS**

- Self-filling delivers time savings of up to 18 minutes per 1.000 ft run in-hole
- MWD and other shallow hole testing can be performed without activating the floats
- Through bore access prior to activation when using flapper type
- Simple and fast activation at the shoe no additional equipment or personnel required
- Double floats offer enhanced protection once activated
- Surge-relief formation damage induced by surge pressures can be avoided
- Rig safety is sustained by eliminating top filling and rig floor spillages



## **SPECIFICATIONS**

| Material                        | AISI 4145-H Modified - 120 min ksi |            |            |        |
|---------------------------------|------------------------------------|------------|------------|--------|
| Connection                      |                                    | 7 5/8" Reg | 6 5/8" Reg | NC50   |
| Make-up Torque                  | (kft-lbs)                          | 85         | 51         | 31     |
| Temp Rating - Standard          | (C/F)                              | 200/392    |            |        |
| Overall Length                  | (ft)                               | 9.33       | 9.24       | 8.41   |
| Maximum OD                      | (in)                               | 9.37       | 8.25       | 7.00   |
| Pin ID                          | (in)                               | 3.00       | 2.81       | 2.81   |
| Weight                          | (lbs)                              | 1,565      | 1,200      | 860    |
| Drift Diameter (Pre Activation) | (in)                               | 2.30       | 2.30       | 1.92   |
| Float Activation Dart OD        | (in)                               | 2.44       | 2.44       | 2.13   |
| Float Activation Pressure       | (psi)                              | 700        | 700        | 800    |
| Float Working Pressure          | (psi)                              | 7,500      |            |        |
| Tested Pressure                 | (psi)                              | 11,500     |            |        |
| Tensile Capacity                | (klbs)                             | 2,300      | 1,650      | 1,250  |
| Torsional Yield                 | (kft-lbs)                          | 150        | 90         | 55     |
| Burst Pressure                  | (psi)                              | 33,000     | 30,750     | 30,200 |
| Collapse Pressure               | (psi)                              | 27,500     | 26,000     | 25,600 |

