

## FloSafe Lock Mandrel

**The FloSafe Lock Mandrel is a flow-secure locking device with a positive, confirmatory tell-tale mechanism in the FloSafe Running Tool, designed for the safe and correct deployment of Wireline Retrievable Safety Valves (WRSV).**

The FloSafe Lock Mandrel is retrofittable to suit the uppermost X-type nipple profile. It prevents the possibility of unknowingly setting the WRSV incorrectly thanks to a positive, confirmatory shear pin tell-tale feature incorporated into the FloSafe Running Tool. If the FloSafe Running Tool returns in the sheared position, the Expander Mandrel/Fish Neck has not fully travelled, confirming that the FloSafe Lock Mandrel has not fully set.

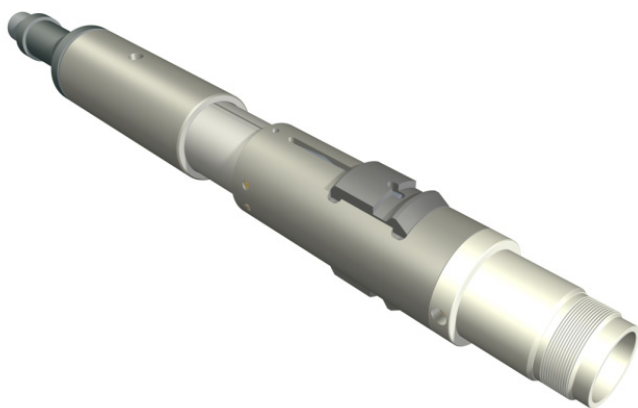
To prevent FloSafe from opening and unseating the WRSV, a unique internal collet engagement feature prevents the expander mandrel from opening during flowing conditions.

### APPLICATIONS

- Safe and correct deployment of Wireline Retrievable Safety Valves

### FEATURES AND BENEFITS

- 100% retrofittable to suit existing uppermost Otis X-type nipple profiles
- FloSafe incorporates a flow-secure collet engagement feature, preventing flowing fluid or gas turbulence from opening the FloSafe Neck
- FloSafe Running Tool incorporates simple shear pin tell-tale feature to indicate FloSafe has correctly set
- FloSafe and the FloSafe Running Tool are of a simple design with no special tools required for redress
- Supplied with lower connection options to suit customer requirements
- Industry standard GS/GR type pulling tools required for retrieval of FloSafe
- Material options available to suit customer requirements
- Currently available for 2 7/8-in, and 3 1/2-in tubing - various sizes are available on request to suit customer requirements



**Product Code:** FloSafe Lock Mandrel / 380

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