

SAVR-CP Big Bore Pipe Cutter

Reliable Performance, Seamless Integration



The SAVR-CP Big Bore Pipe Cutter is a hydraulic pressure-operated tool for mechanically cutting casing strings.

A big through-bore can allow cementing operations to be carried out without risk of cement setting inside the tool.

Combining with other OTL and third-party technology, multi-operations and pipe cutting can be carried out in the same run, offering significant trip-saving opportunities.

FEATURES

- Balanced Piston Assembly
- Large Bore Flotel and Piston
- Ball or Dart Activation Mechanism
- Cutters Fully Retained Within Body until Cutting Mode is Activated
- Controlled Cutter Length and opening diameter
- Surface Pressure Indication When Cut is Made

BENEFITS

Cost Savings

- Up to 50% time saved compared to conventional technology

Integrity

- Controlled cuts through casing to ensure well integrity is maintained
- Optimal cement placement to ensure correct barrier placement is achieved, setting balanced plugs or on bridge plugs deployed on the same run

Reducing Non-Productive Time by carry out multi operations and cuts in the same run without having to POOH

- Dress off and load test cement plug
- Displacement
- Set bride plug
- Set cement plug
- Perform multiple cuts
- Recover the casing when combined with a SavR-CP Hydraulic Spear and / or Packer
- Slot casing and circulate out settled barite in casing annuli to free casing
- Knife design allows for increased longevity

BASIC OPERATION

The SAVR-CP Big Bore Pipe Cutter is designed to cut single or multiple strings of pipe using circulation- induced pressure drop to activate Knife Arms, which vary in length based on the cutting diameter.

The tool operates on Flow Restriction, where a pressure drop signals a completed cut as the Piston separates from the Floatel. The Knife Arms remain locked while running in-hole to prevent premature activation. An activation ball is dropped to initiate cutting.

Cutting is monitored via torque and controlled by adjusting the circulation rate. As cutting progresses, the Piston Assembly moves, pivoting the Knife Arms to cut the casing. Once the preset diameter is reached, a pressure drop confirms the cut.

After cutting, the BHA rotation and pumps stop, and the cutter is pulled up, automatically retracting the Knives.