

CutMaster X3

Hydraulic multicycle pipe cutter

APPLICATIONS

- Deepwater P&A operations
- Slot recovery operations
- Well abandonment operations
- Rotary or positive displacement motor-driven (PDM) casing cutting operations
- Stuck liner recovery

BENEFITS

- Saves rig time tripping in and out of hole for multiple cuts
- Reduces HSE exposure to rig crew with less handling at the surface

FEATURES

- Uses three sets of blades to perform up to 12 cuts in a single trip
- Provides positive indication of cut-out success using an integral Flo-Tel* downhole mechanical position indicator
- Provides contingency cutting capacity for standard P&A cutting operations
- Enables cutting casing in planned and optimized section lengths for subsequent recovery
- Has a continuous indexing piston that allows the pipe cutter to switch cutting blades with each flow cycle
- Offers flexibility for planning of multiple cuts during a single trip with surface confirmation
- Is fully integrated with the Shortcut* deepwater plug and abandonment system spear and a PDM

Save rig time by reducing trips

In P&A and slot recovery operations, the CutMaster X3* hydraulic multicycle pipe cutter provides the capacity for multiple cuts during a single trip. In applications requiring multiple casing cuts, conventional pipe cutters are generally only capable of making two cuts. Then the pipe cutter must be tripped out of hole to change cutting blades. The CutMaster X3 pipe cutter with tungsten carbide inserts has three sets of blades that can make up to 12 cuts in a single trip, saving valuable rig time and surface exposure.

Multiple cuts in a single trip minimize the rig crew's BHA handling of the drillstring, reducing the crew's HSE exposure to change pipe cutter blades.

Reduce HSE exposure by reducing swarf at surface

In slot recovery operations, large volumes of swarf waste can be generated during casing milling activities, requiring disposal at the surface. One of the features of the CutMaster X3 pipe cutter is the ability to cut casing into smaller, manageable lengths that can be pulled and jarred to surface individually, reducing swarf waste at surface that is generated by pilot milling. In comparison, mud plant and pressure control equipment remain contaminant free, and the rig crew has less exposure to contaminants.

Increase cutting knowledge and capacity

The CutMaster X3 pipe cutter's continuously indexing piston enables it to switch to a different set of cutting blades with each flow cycle. This ability provides triple the cutting capacity of conventional pipe cutters. The Flo-Tel position indicator provides a pressure indication at the surface of successful cuts at each cutter position. This information eliminates the risk of pulling out of hole before the cutting operation is complete.

Specifications

Tool series	8250
Part number	80005795
Tool OD, in	8¼
Overall length assembly, ft	10.8
Casing cutting range, in	9% and 10¼ CSG



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