

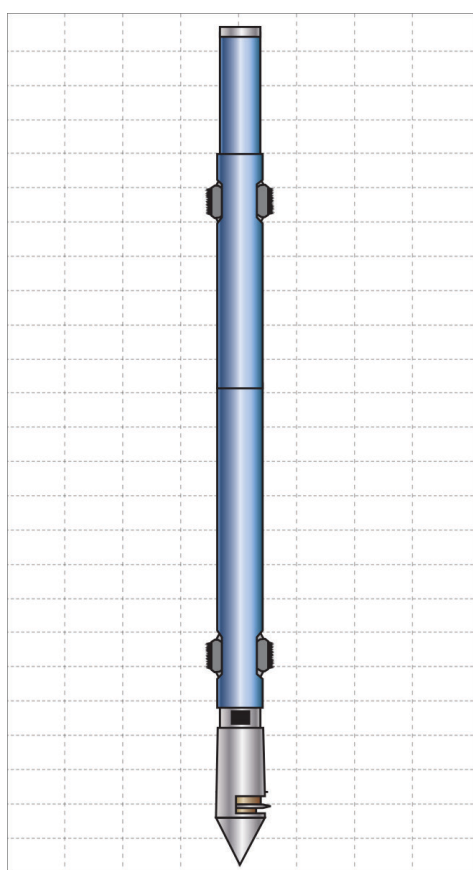
PRECISION MECHANICAL APPLICATIONS

DECT



MAKING INTERVENTION
SMARTER

The Downhole Electric Cutting Tool (DECT) is an electrically powered, mechanical pipe cutting tool with multiple sensor measurements to monitor and control the depth of penetration. The resulting cut has a machine shop finish which ensures efficient pipe retrieval. Approximate cutting time in 5", 19.5lb/ft. drill pipe is four minutes.



APPLICATIONS

- Cuts drill pipe, heavy weight drill pipe and tubing during drilling and completion operations
- Cuts tubing, packer mandrels and annular safety valves during well intervention and P&A operations
- Cuts tubing in high scale environment

FEATURES

- E-Line conveyed, powered device
- Cuts pipe in both tension or compression
- Cuts pipe in all orientations from vertical to horizontal
- Run on standard mono-conductor cable and combinable with
- **PowerTrac**® in highly deviated/horizontal wells
- Cuts all grades of low and high alloy steels
- Unaffected and able to cut through thick/hard scale
- Cuts pipe up to 1" thickness
- Operates in gas, oil, brine or drilling mud
- Multiple cuts possible during single run
- Machine shop quality finish on cut
- Monitoring of penetration using multiple measurements
- Two sizes DECT001/DEC 002 range of 3" - 6" / 4 1/2" - 7 5/8"

BENEFITS

- QHSE; no personnel exposure to explosives and/or chemicals
- Reduced logistics, time and cost as no dangerous goods certificates, radio silence or special permits for work required
- High assurance of success in pipe recovery operations due to capability to handle wide range of steels and well conditions
- Improved operational efficiency due to speed and quality of cut

Specifications	DECT 001		DECT 002	
Pipe size OD	3.5 to 6.0 inches / 89 – 152 mm		4.5 to 7.625 inches / 114 -194 mm	
	4.0 – 6.0 inches / 101.2 – 152 mm	3.5 – 5.0 inches / 89 - 127mm	6.0 – 7.625 inches /152- 194 mm	4.5 – 7.0 inches / 114 -178 mm
Maximum wall thickness	1.0 inches / 25.4 mm	0.75 inches / 19 mm	0.875 inches / 22.2 mm	0.875 inches / 22.2 mm
Tool OD	3.25 inches / 82.6 mm	2.75 inches / 70 mm	4.7 inches / 119.4 mm	3.625 inches / 92.1 mm
Cut point (from bottom of tool)	3 inches / 76 mm			
Pressure rating	20,000 psi / 1 ,379 bar			
Temperature rating	150°C / 300°F			
Toolstring length	16 ft. – 25 ft. / 4.88m – 7.62m			
Toolstring weight	170 – 240lb / 77kg – 109kg			
Tool power requirements	1,000VDC / 2A			