

MECHANICAL PIPE CUTTER TOOL

Achieve fast and effective pipe recovery.



The Baker Hughes Mechanical Pipe Cutter™ (MPC™) electromechanical pipe-cutting tool reduces logistical and environmental constraints of stuck pipe or pipe recovery operations by providing precise, downhole pipe cutting without the use of ballistics or hazardous chemicals, reducing rigsite down time, personnel risk, and overall intervention costs.

The MPC tool performs its precise cutting without damaging external tubulars or control lines. Cutting penetration is continuously measured and controlled from the surface, confirming the cut has been made successfully. The MPC tool's temperature and pressure ratings allow operators to cut pipe in hotter and deeper environments, while eliminating expensive and time-consuming coiled-tubing or pipe operations.



The Mechanical Pipe Cutter tool operates on any wireline and requires minimal surface equipment.

FEATURES & BENEFITS

- ⇒ Precisely cuts downhole pipe without the use of ballistics or hazardous chemicals
 - Reduces logistical and environmental constraints
- ⇒ Arrives in two 10-ft sections
 - Allows for easy transportation for quick offshore or remote deployment
- ⇒ CPU controlled for precise or difficult cuts
 - Ensures efficient cuts to reduce debris and damage to outer strings
- ⇒ Unlimited setting and resetting
 - Saves rig and NPT costs by performing multiple cuts per trip
- ⇒ Surface-monitored cut penetration
 - Confirms successful cut to avoid needless trips out of hole
- ⇒ Cuts a wide range of pipe types—including steel and alloy (chrome) pipe—and sizes compared to the traditional cutters
 - Enables use in restricted areas thanks to the tool's small diameter

APPLICATIONS

- ⇒ Stuck pipe
- ⇒ 2-7/8 in. to 7 in. downhole pipe

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The cutting

18.16 ft (5.54 m)

8.33 ft (2.54 m)

9.83 ft (3 m)

2-1/8 in. (54mm) tool cuts 2-7/8 in. (73mm) to 4 in. (102mm) pipe

2-1/2 in. (64mm) tool cuts 4 in. (102mm) to 4-1/2 in. (114mm) pipe

3-1/4 in. (83mm) tool cuts 4 in. (102mm) to 7 in. (178-mm) pipe

392°F (200°C) and 20,000 psi (1,379 bar)

2-7/8 in. (73mm) to 7 in. (178mm) pipe

0.5 in. (12.7mm) – 2 1/8-in. (54mm) tool

0.68 in. (17.3mm) – 2 1/2-in. (64mm) tool

0.75 in. (19.1mm) – 3 1/4-in. (83mm) tool



The multiple, clean cuts provided by the MPC tool eliminate additional fish milling and ensure efficient pipe-recovery operations.

⇒ CONTACT US TO FIND OUT MORE AT: 403 407 8500 / TIER1ENERGY.CA