

MPC InCision slot cutter

Execute fast, versatile, and precise tubing openings without damage to outer assemblies

Creating precise, limited-entry openings in tubulars has multiple applications, whether to restore circulation, remediate a poor cementing job, or clean up the annulus behind the casing to improve productivity.

Conventional punching operations tend to be inaccurate and difficult to control, often damaging sensitive equipment such as control lines, adjacent casings, and screens located behind the casing. Additionally conventional ballistic solutions are subject to regulatory constraints that limit quick mobilization, increasing nonproductive time (NPT).

The **MPC InCision™ slot cutter** from Baker Hughes provides speed, versatility, and precision in punching operations, unlike any other technology in the industry. Its telemetry data enables the cutting blade's progress to be monitored

in real-time, confirming each opening is fully completed in a controlled manner, without damaging outer assemblies. It is also a non-ballistic tool, making it easy and fast to mobilize and deliver to any location.

Unlike other cutters, the MPC InCision slot cutter has the ability to make multiple cuts in just one trip. Its rugged design has a solid track record for safely cutting through a variety of materials and different tubing sizes.

For more information on how the MPC InCision slot cutter can bring speed, versatility, and precision to your operations, contact a Baker Hughes representative today or visit bakerhughes.com.

Applications

- Opening tubulars for cement squeeze, asphaltines and scales clean up, and restored circulation

Benefits

- Achieves multiple cuts in a single run
- Improves accuracy with real-time surface monitoring and controls
- Minimizes debris
- Prevents damage to outer assemblies
- Reduces rig time, costs, logistics and HSE risks
- Runs on any single or multiconductor wireline for quick deployment

MPC InCision specifications

	2.125 in.	3.25 in.
Pipe size range	2.875 in. to 4.5 in. pipe OD	4 in. to 7 in. pipe OD
Tool diameter	2.125 in. (for 2.875 in. to 5 in. pipe OD) 2.52 in. (for 4.5 in. pipe OD)	3.25 in. (for cutting 4 in. to 7 in. pipe OD)
Maximum wall thickness	.50 in. (with 50 mm blade) .68 in. (with 60 mm blade)	.75 in. (with 63 mm blade)
Centralization	3 hydraulically powered anchor arms	
Temperature rating	392°F (200°C) for 1 hour	
Pressure rating	Standard tool - 25,000 psi High pressure tool - 30,000 psi	
Tool make-up length	17.9 ft (5.45 m) total (electronics - 9.26 ft, mandrel - 8.64 ft)	
Tool weight	141 lb	157 lb
Maximum power requirements	750 VDC, 1.2A	



Pipe cut by the MPC InCision slot cutter.