RAPID WINDOW CUTTER

Compact hand-held cutter for cutting windows in ductile iron mains

Ductile iron is notoriously problematic because it cannot be broken out like cast iron. The Rapid Window Cutter solves this problem.

It is a hand held tool designed for precise, fast cutting of windows in abandoned or inserted ductile mains, without damaging the previously inserted PE.

The new design introduces a revolutionary alternative to established methods, typically cutting a window on 100mm/4” ductile iron in under 12 minutes; reported to be 50% faster than traditional equipment.

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**BENEFITS**

- **Fast**: A typical size window is cut in less than 15 minutes - 50% faster than traditional equipment
- **Safe**: The cutting disc is mounted well away from operator’s hand; automatic emergency cut-off on trigger handle
- **Cost effective**: Available to hire, purchase or carried out as a Contract service
- **Easy to use**: Compact, lightweight and simple to operate - one man operation
- **Precise**: Depth control discs prevent damage to inserted PE; Ideal for use in Live Mains Insertion and dead insertion projects
- **Clean**: No water is needed resulting in a cleaner trench
- **Adaptable**: Designed to be compact, no need to dig under main
- **Air powered**: Uses on-site compressor, avoiding need for extra power source

**DESCRIPTION**

The Rapid Window Cutter was designed in collaboration with Wales & West Utilities, who identified the need for a faster window cutting solution to extend their use of Live Mains Insertion, on their ductile network.

Easy to operate, the cutter simply connects to the onsite compressor. A single operative can then engage the trigger, lower the blade and glide the unit along the main. The operator can pivot the chassis easily to change from circumferential to longitudinal cuts.

*Ideal for exposing PE during Live Mains Insertion*
**KEY FEATURES**

**Configuration:** The machine comprises a cutting disc mounted on a bespoke chassis assembly, with four small guide wheels.

**Size range:** The Rapid Window Cutter may be used on ductile iron mains, with a maximum cutting depth of 13mm.

**Air powered:** Pneumatically powered, the operator guides the cutter, applying sufficient pressure to penetrate the pipe wall.

**Innovative:** Air exhaust hose prevents dust, debris, and water from being blown around the trench and into the operative’s face.

**Multidirectional:** The operator is able to pivot the chassis to change from circumferential to longitudinal cuts.

**Depth control:** The cutting blade is fitted with a depth control disc allowing for precise depth of cut, avoiding damage to internal PE.

**Compact:** At just 7kg the unit is small and lightweight. The compact design allows it to be used close up to third party equipment.

**Safety:** During use, the operator’s hand is kept well away from the cutting blade and there is an automatic emergency cut-off on the trigger handle.

Visit our website to see video of The Rapid Window Cutter in operation - stevevick.com