



Jet Edge's powerful 60,000 psi (4100 bar) Pipe Cutter ID cuts steel pipes and grouted casing from the inside in one pass.

Built for reliable operation in remote locations, the Jet Edge Pipe Cutter ID cuts without heat or flames, making it a safer alternative for oil and gas field applications, including plug and abandonment. Additional applications include cutting pilings and other structures that require downhole cutting.

Available in a hydraulic or pneumatic configuration, the Pipe Cutter ID features a circle cutter assembly that mounts to the pipe or casing with a flange plate. A centering tool makes it fast and easy to install and ensures an even cut. Cutting is performed with Jet Edge's Permalign® ID abrasivejet cutting head which has been designed especially for ID pipe cutting applications.

#### Sizes

- 4-14" ID (100-355 mm)  
Pipe flange bolt pattern of 10-14 inches (255-355 mm)
- 4-20" ID (100-510 mm)  
Pipe flange bolt pattern of 20-30 inches (510-760 mm).

**Maximum Operating Depth:** 13 foot (4 m)  
Can be customized to 20 foot (6 m) depth

#### Permalign ID Abrasive Head

Weight	4 lb (1.8 kg)
Water pressure (max)	60,000 psi (4100 bar)
Max Flow Rate:	4.4 gpm (16.65 lpm) at 55,000 PSI (3800 bar)
Abrasive Delivery (Max):	3 lb (1.36 kg)/minute
Orifice range	.014- .030 in (0.35-0.76 mm)
Nozzle ID:	0.045, 0.065 or 0.095 in (1.14, 1.65 or 12.4 mm)
Nozzle Length:	2, 3, or 4 inches (50, 75, 100 mm)

#### Abrasive Delivery System

- Durable steel design
- Two-wheel pneumatic tires with rugged frame
- Air-regulated metering valve
- Delivery rate: up to 3 lb (1.36 kg)/minute

#### Required Equipment

- A mobile intensifier pump to supply UHP water
- Air compressor to supply abrasive hopper
- Hydraulic power to operate support equipment (hydraulic configuration only)
- Water source
- Orifices and nozzles to shape UHP water stream
- Abrasive

#### Abrasive

Grit size: 30-200 mesh  
Connection: 3/8 inch polyethylene tubing  
Flow: 3 lb/min (1.36 kg/min)

#### Air Supply

**Pneumatic configuration:**  
Pressure: 90-120 psi (6.2-8.3 bar)  
Flow: 100 cfm (47 L/s)

#### Hydraulic configuration:

Pressure: 80-90 psi (5.5-6.2 bar)  
Flow: minimal

#### Environmental

Ambient temperature: 50°-95° F (10°-35° C)  
Relative humidity:  
Non condensing, maximum 95% at 95°F (35°C)  
Altitude: Up to 3000 feet (1000 m)

#### Hydraulic Supply

Pressure: 1000 psi (70 bar) nominal;  
1500 psi (100 bar) maximum  
Flow: 10 gpm (38 L/min)  
*Hydraulic configuration only*

#### UHP Water Supply

60,000 psi (4100 bar) maximum

### POWERED BY JET EDGE!



Model iP55-80DS

The Pipe Cutter ID is powered by a Jet Edge waterjet intensifier pump.

**Featuring the  
The Permalign® ID  
Abrasivejet  
Cutting Head!**



Specifications subject to change.