

# Project Air Impactor: Features & Benefits

## Product Features/Benefits

### High Energy Tool

- Ability to operate at 200 PSI vs standard tool at 110 psi. More power = More production
- Up to twice the blows of standard bursting tool
- Double the valve bore area of standard tool (see figure 1)
- More power as the burst progresses where its needed to help overcome friction

### Down Hole Pneumatics Design

- Active Head: No Impact on Drill Rod
- Replaceable Bladed pilot: Protects Impactor body from wear and bursts tough materials
- Simple: (3 major parts); body, striker, valve assembly (see figure 2)
- Durable: Aircraft quality alloy steel components
- Increased “tractor effect” area means longer pulls
- Sure Starting: Spool valve ensures fast starting

## Process Features/Benefits

### Simplified Bursting Process

- Easy job set up and tear down
- Ability to drill through partially collapsed lines

### Reduced labor

- Up to 30% or more depending on specific job and conditions\*
- No long string of hoses or rods to manhandle

### Reduced Excavation

- Drilling through collapsed lines eliminates the need to pothole
- Multiple setup locations
- Overall reduction in excavation and surface disruption



| Tool Size | Valve Bore Area (in <sup>2</sup> ) | % Increase | Striker Weight (lb) | % Increase | Blows Per Minute | % Increase | % Power Increase |
|-----------|------------------------------------|------------|---------------------|------------|------------------|------------|------------------|
| 7" Mole   | 12.57                              | 107.56%    | 187.5               | -6.13%     | 295              | 72.54%     | 56%              |
| 8" AI     | 26.09                              |            | 176                 |            | 509              |            |                  |
| 8" Mole   | 16.8                               | 130.60%    | 371.5               | -19.25%    | 223              | 124.22%    | 125%             |
| 12" AI    | 38.74                              |            | 300                 |            | 500              |            |                  |

figure 1: Valve bore area/increased power

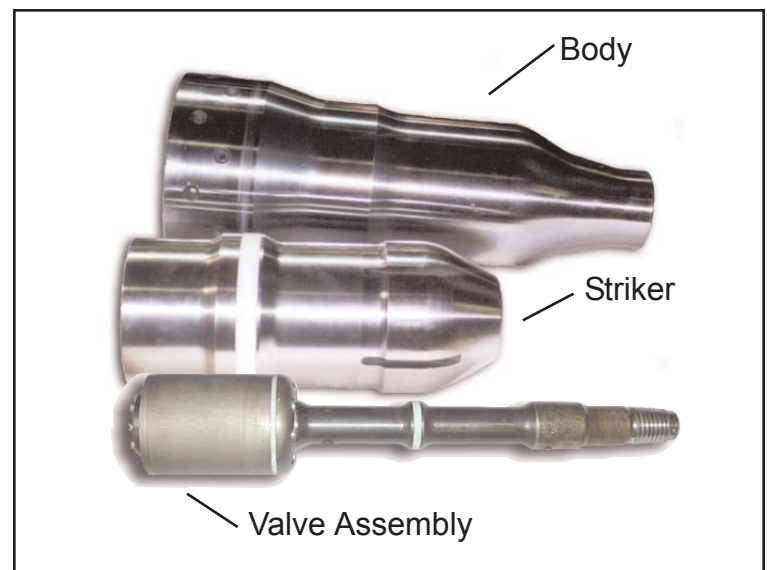


figure 2: Impactor major parts

\*Labor reduction on any job will vary based on job site environment, depth and diameter of replacement pipe and soil conditions.