Pneumatic Hammers “Just Another Tool in the Toolbox” on HDD Projects

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PIPE RAMMING
STANDARD RAMMING

• 4-in through 147-in casings
• 118-in, 122-in, 138-in & 147-in casings Successfully Rammed
• Eliminates Slump or Rise
• Tools Configure to a Range of Casing Diameters
THE PROCESS:
Typical Pipe Ramming Configuration
Routine
12” Thru 36”

Challenging
36” Thru 80”

Advanced
80” Thru 147”
HDD ASSIST TECHNIQUES
CONDUCTOR BARREL

- Ram Casing Through Difficult Soils
- Preferable Starting Point for Drilling
- Guide for Down-hole or Mud Motors
- Friction-Free Section for Pullback
Conductor Barrel Step 1-Job Site

Pipe Rammer installs steel casings for clean bore start

Percussive Force
Conductor Barrel Step 2-Job Site

Drilling starts in preferable soil conditions
DRILL STEM RECOVERY

• Rammer Fitted with Special Sleeve
• Drill Stem Welded to Back of Sleeve
• Percussion Frees Stuck Drill Stem
• Push Through or Pull Out
Drill Stem Retrieval
PIPE REMOVAL/ BORE SALVAGE

• Rammer Attached to Product Pipe
• Percussion Removes Pipe from Bore
• Salvage Job
• Bore Again
Product Pipe Removal/Bore Salvage-Job Site

Pipe Rammer removes product pipe or drill stem after bore fails.

Percussive Force
PULLBACK ASSIST

- Rammer Attached to Pipe During Pullback
- Percussion Keeps Pipe Moving
- Helps Prevent High Stress Levels
- Overcomes Hydrolock, Frees Pipe
Pullback Assist-Job Site

Pipe Rammer works with drill rig to assist pipe installation
Questions?