



## **I-1 Pipe End Preparation Tool (Shaver)**

### **Introduction:**

The I-1 pipe tool is used to prepare the straight spigot end on fiberglass pipe employing bell and spigot adhesive-bonded joints. The tool is available for all IFS pipe sizes from 1/2" through 8" in diameter and has been designed so that all critical dimensions such as spigot length and spigot outside diameter are pre-set and require no adjustment by the operator.

### **Advantages:**

The I-1 tool offers the following advantages over previously used end preparation tools and end preparation methods offered by competitive manufacturers:

- \* No adjustments required: spigot length and diameter pre-set to IFS tolerances.
- \* No special tools required: uses ordinary power drills with 1/2" chuck.
- \* Compact: can be used on installed buried pipe with minimal excavation.
- \* Reduced field labor time.
- \* Minimal set-up required.
- \* Light weight for ease of use.

### **Operating**

#### **Instructions:**

1. Clean the inside of the pipe to remove all dirt, and or foreign objects. Clean tool of any large particles or shavings from previous use.
2. Inspect the cutter wheels on tool. If worn, loosen and rotate for new cutting edge. If loose, tighten with Allen wrench.
3. Mount tool in chuck of 1/2" drill motor and tighten chuck securely. NOTE: The shaft of the I-1 tool is round without flats. The round shaft allows the chuck to rotate on the shaft if the cutters bind. This safety feature should not be modified.
4. Except when working on installed pipe, the pipe must be held securely, preferably in a pipe vise. Use a 1/4" thick rubber pad between the clamps and the pipe to protect the pipe. WARNING: Avoid inhaling dust produced by cutting. Wear an OSHA-approved dust mask.
5. Insert the spindle of the tool into the pipe so that the cutting wheels remain away from the end of the pipe. Grip the drill motor firmly and switch to 'on'. Slowly feed the tool into the pipe until the tool bottoms. Remove tool from pipe.
6. Inspect the cut surface to insure that all 'glazed' or resin-covered areas have been removed. If such areas remain, sand by hand until the entire surface is without a resin gloss.