

## Ameron B-1F Pipe End Preparation Tool

for Quick-Lock® bell x spigot joints  
in 1- through 8-inch diameters

### Introduction

The B-1F pipe end tool is used to prepare the straight spigot end on Bondstrand fiberglass pipe employing the Quick-Lock adhesive-bonded joint. The tool is available for all Bondstrand pipe sizes from 1 through 8 inches in diameter. The tool is designed so that all critical dimensions such as spigot length and spigot outside diameter are preset.

The 1- through 4-inch tools are designed to cut Bondstrand PSX™•JF pipe in two stages. The tools are delivered with only one cutting insert located on the arm marked **Spigot**.

### Advantages

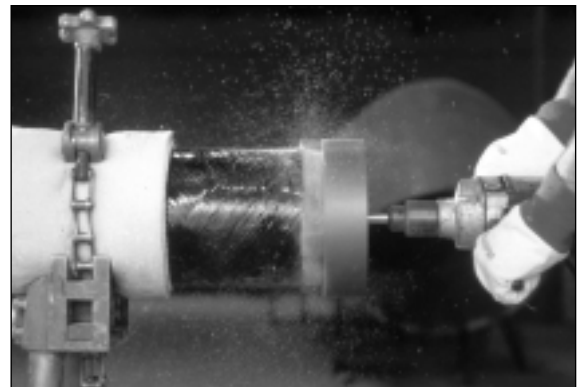
The B-1F tool offers the following advantages over previous end preparation tools from Ameron and end preparation methods offered by competitive manufacturers:

- Requires no adjustment: spigot length and diameter preset to Ameron tolerances
- Requires no special tools: uses ordinary power drills with ½-inch chuck
- Compact: can use on installed buried pipe with minimal excavation
- Reduces field labor time
- Requires minimal set-up
- Light weight for ease of use: 4-inch tool weighs only 9 pounds

### Operating Instructions

- 1) Clean the inside of the pipe to remove all dirt, sand or foreign objects. Clean tool of any large particles or shavings from previous use.
- 2) Inspect the cutter on tool. If worn, remove and rotate for new cutting edge; replace if all edges are worn. If cutter is loose, tighten with an Allen wrench.

*The B-1F tool is available in 1 through 8-inch sizes for preparing spigot ends for the Quick-Lock joint. Spigot length and diameter are preset for each pipe size. To use the tool, one need only make sure that the inside of the pipe is clean (left) and then insert the tool (right).*



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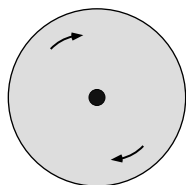
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## Operating Instructions (cont'd)

- 3) For preparing Bondstrand PSX™•JF, first remove the cutter from the area marked **Spigot** with an Allen wrench and place it on the arm marked **Jacket**. The cutter in this position will remove the external jacket.
- 4) Mount tool in chuck of ½-inch drill motor and tighten chuck securely. For best results use a drill motor with side handles and a spade grip. **Important: The shaft on the B-1F 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.**
- 5) Except when working on installed pipe, hold the pipe securely, preferably in a pipe vise. **Use a ¼-inch 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.**
- 6) Insert the spindle of the tool into the pipe so that the cutter remains 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. Too fast a feed (on the final spigot cut) can produce high and low spots. Remove the tool from the pipe. **Note: Spindle is held in tool by set screws. If spindle rotates in tool, retighten set screws.**
- 7) For Bondstrand PSX™•JF, once the jacket is removed, place the cutter on the arm marked **Spigot** for the final cut. **See note below.**
- 8) Inspect the cut surface to determine 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.

Note: If several spigots are to be made, it may be more efficient to shave all the jackets first, then shave all the spigots. Two separate tools, one with the cutter on **Jacket** and one with the cutter on **Spigot** may also be used for large installations.



The cutter on the B-1F tool is designed to cut when the tool is rotating in the clockwise direction. Attempts to cut with the tool in counterclockwise rotation will bend the cutter and reduce the effectiveness of the tool. Similarly, when withdrawing the tool after completing a cut, stop the drill motor and simply pull the tool out of the pipe. Do not reverse the drill rotation when withdrawing as this will also tend to bend the cutter.

## Important Notice

This literature and the information and recommendations it contains are based on data reasonably believed to be reliable. However, such factors as variations in environment, application or installation, changes in operating procedures, or extrapolation of data may cause different results. Ameron makes no representation or warranty, express or implied, including warranties of merchantability or fitness for purpose, as to the accuracy, adequacy or completeness of the recommendations or information contained herein. Ameron assumes no liability whatsoever in connection with this literature or the information or recommendations it contains. Product specifications are subject to change.



FIBERGLASS - COMPOSITE PIPE GROUP - HEADQUARTERS  
P.O. Box 801148 • Houston, TX 77280 • Tel: (713) 690-7777 • Fax: (713) 690-2842 • <http://www.ameron.com>

**Asia**  
Ameron (Pte) Ltd.  
No. 7A, Tuas Avenue 3  
Singapore 639407  
Tel: 65 861 6118  
Fax: 65 862 1302/861 7834  
[info@ameron.com.sg](mailto:info@ameron.com.sg)

**Europe**  
Ameron B.V.  
J.F. Kennedylaan 7  
4191 MZ Geldermalsen  
The Netherlands  
Tel: +31 345 587 587  
Fax: +31 345 587 561  
[info@ameron-fpg.nl](mailto:info@ameron-fpg.nl)

**Americas**  
P.O. Box 878  
Burkburnett, TX 76354  
Tel: (940) 569-1471  
Fax: (940) 569-2764

**Composites**  
P.O. Box 71370  
11 McBride Street  
Newnan, Georgia 30263  
Tel: (770) 253-2000  
Fax: (770) 253-9234

**Centron International**  
P.O. Box 490  
600 FM 1195 South  
Mineral Wells, Texas 76068  
Tel: (940) 325-1341  
Fax: (940) 325-9681  
<http://www.centrongre.com>