



## C-134 Universal Pre-Diamond Series Stem Instructions

Please leave this sheet for the property homeowner

**Build With Purpose**

Thank you for your purchase of a PRIER Universal Stem. This Universal Stem allows you to replace up to 18 different stems from over 50 years with one part number. To utilize this product, you must be familiar with soldering copper.

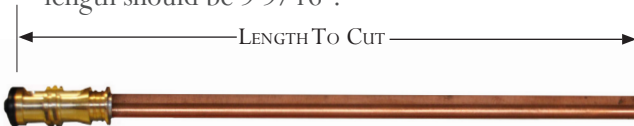
### INSTALLATION

- First, determine the diameter of the seat stem-end by measuring the diameter of the part across the end flow holes as shown. If it measures  $9/16$ ", you have a "B", "C" or "D" Style Stem. If it measures  $1/2$ ", you have an "E" Style Stem. Next, determine the overall length of the stem by measuring it's overall length from brass tip to brass tip as shown. (Do not include the rubber seat washer in your measurement). Using these dimensions, determine the Style & Length of the stem from the chart to the right. (i.e. If  $1/2$ " Diameter Style "E", and length is  $9 5/8$ ", you have a 6" Style "E" Stem).



Hydrant Length		4"	6"	8"	10"	12"	14"
OAL	B Style	$8 \frac{1}{16}$ "	$10 \frac{1}{16}$ "	$12 \frac{1}{16}$ "	$14 \frac{1}{16}$ "	$16 \frac{1}{16}$ "	$18 \frac{1}{16}$ "
	C Style	$7 \frac{1}{16}$ "	$9 \frac{1}{16}$ "	$11 \frac{1}{16}$ "	$13 \frac{1}{16}$ "	$15 \frac{1}{16}$ "	$17 \frac{1}{16}$ "
	D Style	$7 \frac{5}{8}$ "	$9 \frac{5}{8}$ "	$11 \frac{5}{8}$ "	$13 \frac{5}{8}$ "	$15 \frac{5}{8}$ "	$17 \frac{5}{8}$ "
	E Style	$7 \frac{5}{8}$ "	$9 \frac{5}{8}$ "	$11 \frac{5}{8}$ "	$13 \frac{5}{8}$ "	$15 \frac{5}{8}$ "	$17 \frac{5}{8}$ "
	F Style	$6 \frac{15}{16}$ "	$8 \frac{15}{16}$ "	$10 \frac{15}{16}$ "	$12 \frac{15}{16}$ "	$14 \frac{15}{16}$ "	$16 \frac{15}{16}$ "

- After determining stem style and length, refer to the chart and determine at which length to cut the copper tube. Example: If our "E" Style 6" Stem, copper length to cut should be  $8 \frac{1}{4}$ "-with handle stem end in place, the overall length should be  $9 \frac{9}{16}$ ".



Hydrant Length		4"	6"	8"	10"	12"	14"
Length to Cut Copper	B Style	$6 \frac{3}{4}$ "	$8 \frac{3}{4}$ "	$10 \frac{3}{4}$ "	$12 \frac{3}{4}$ "	$14 \frac{3}{4}$ "	$16 \frac{3}{4}$ "
	C Style	$5 \frac{3}{4}$ "	$7 \frac{3}{4}$ "	$9 \frac{3}{4}$ "	$11 \frac{3}{4}$ "	$13 \frac{3}{4}$ "	$15 \frac{3}{4}$ "
	D Style	$6 \frac{5}{16}$ "	$8 \frac{5}{16}$ "	$10 \frac{5}{16}$ "	$12 \frac{5}{16}$ "	$14 \frac{5}{16}$ "	$16 \frac{5}{16}$ "
	E Style	$6 \frac{5}{16}$ "	$8 \frac{5}{16}$ "	$10 \frac{5}{16}$ "	$12 \frac{5}{16}$ "	$14 \frac{5}{16}$ "	$16 \frac{5}{16}$ "
	F Style	$5 \frac{5}{8}$ "	$7 \frac{5}{8}$ "	$9 \frac{5}{8}$ "	$11 \frac{5}{8}$ "	$13 \frac{5}{8}$ "	$15 \frac{5}{8}$ "

- Clean the recently cut copper tube and stem end and flux the copper tube.
- Slide the included solder ring and the stem end on the copper and apply the flame directly to the middle of the handle stem end until the solder melts. After the solder has hardened, install the new stem into the hydrant.