



C-144 Universal Diamond Series Stem Instructions

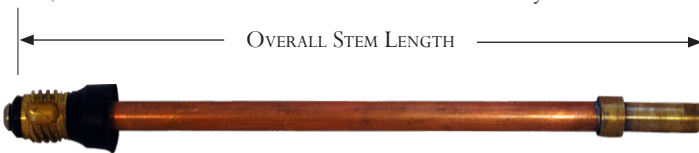
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Build With Purpose

Thank you for your purchase of the P-231-12USP-12US PRIER Universal Stem. This Universal Stem allows you to replace up to 6 different stems from 2013 through present with one part number. To utilize this product, you must be familiar with soldering copper.

INSTALLATION

1. Determine the overall length of the existing stem by measuring its overall length from brass tip to brass tip as shown. (Do not include the rubber seat washer in your measurement)



Hydrant Length	4"	6"	8"	10"	12"	14"
Overall Stem Length	6 ⁷ / ₈ "	8 ⁷ / ₈ "	10 ⁷ / ₈ "	12 ⁷ / ₈ "	14 ⁷ / ₈ "	16 ⁷ / ₈ "

2. After determining stem length, refer to the chart below and determine at which length to cut the copper tube. Example: If your stem is from a 6" hydrant, copper length to cut should be 7 ⁹/₁₆" – with handle stem end in place, the overall length should be 8 ⁷/₈".

Hydrant Length	4"	6"	8"	10"	12"	14"
Length to Cut Copper	5 ⁹ / ₁₆ "	7 ⁹ / ₁₆ "	9 ⁹ / ₁₆ "	11 ⁹ / ₁₆ "	13 ⁹ / ₁₆ "	15 ⁹ / ₁₆ "

3. Clean the recently cut copper tube and stem end and flux the copper tube.
4. 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.