



**Summary of Substantive Changes  
between the 2013a and the 2014 editions of  
ASTM F1807 “Metal Insert Fittings Utilizing a Copper Crimp Ring for  
SDR9 Cross-linked Polyethylene (PEX) Tubing and  
SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing”**

**Presented to the IAPMO Standards Review Committee on December 8, 2014**

**General:** The changes to this standard should not have an impact on currently listed products. The substantive changes are:

- Added a new allowance for alternative marking of crimp rings for use with PEX and PE-RT (see Sections 5.2 and 10.2).

Section 5.2, Crimp Rings: Added an allowance for alternative marking of crimp rings as follows: *Crimp rings shall be made from copper UNS Nos. C10200 or C12200, and shall be black in color [or alternately be identified per 10.2.3.2 of this specification](#). The crimp rings shall have a minimum allowable hardness of 35 and a maximum allowable hardness of 45 on the Rockwell 15T scale when measured according to Test Methods E18.*

Section 10.2, Content of Marking: Added the alternate marking of crimp rings, for use with PEX, and PE-RT, as follows:

**10.2.3 Crimp rings:**

**[10.2.3.1](#)** *Marking on crimp rings shall include manufacturer’s trademark, or some other identifying mark, and ASTM F1807.*

**[10.2.3.2](#)** *Manufacturer of crimp rings may use an alternate identifying marking in place of the “black in color” provided the ring is generally natural copper color with 1/8 in. minimum black font lettering stating “PEX” or “PE-RT,” or both legibly printed in two (2) locations spaced equally, approximately 180° on the ring’s outer circumference. In the case of 3/8 in., 1/2 in., and 5/8 in. sizes where both “PEX” and “PE-RT” marks are applied, it is permissible to only print “PEX” and “PE-RT” in one location on the circumference.*