



**Summary of Substantive Changes
between the 2009 and the 2013 editions of
ASTM F439 “Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe
Fittings, Schedule 80”**

Presented to the IAPMO Standards Review Committee on October 7, 2019

General: The changes to this standard might have an impact on currently listed products. The substantive changes are:

- Clarified the minimum outer dimension of the spigot portion of the bushing (see Section 6.1.2)
- Revised the tolerance on nominal diameter and maximum out of roundness for the socket entrance diameter and Socket bottom diameter for the 3 and 4 in sizes. (see Tables 1, and 3)

Section 6.1, Dimensions and Tolerances: Clarified the minimum outer dimension of the spigot portion of the bushing in Section 6.1.2 as follows:

6.1.1 Fitting sockets, inside diameters (waterways), minimum wall thicknesses, and dimensions shall be as shown in Tables 1-6 when measured in accordance with Test Method D2122.

6.1.2 When multistep reducer bushings are cored out, the inner socket shall be reinforced from the outer wall by a minimum of three ribs extending from the top of the inner socket to the deepest extremity of the coring. The transition from D to DJ (Table 3) shall be straight, tapered as shown, or radiused. A positive taper in the same direction of the taper in the socket on the outside diameter of the bushing is optional ([see XA/XB in Table 3](#)). Any point measured along the outside diameter of the bushing (between XA and XB) shall not fall below minimum pipe OD.

Table 1, Tapered Sockets for CPVC Pipe Fittings, Schedule 80, in. (mm): Revised the tolerance on nominal diameter and maximum out of roundness for the socket entrance diameter and Socket bottom diameter for the 3 and 4 in sizes.

Table 3, Symbols for Dimensions of Reducer Blushings, CPVC Socket-type Pipe Fittings, Schedule 80^A, in. (mm): Revised the tolerance on nominal diameter and maximum out of roundness for the socket entrance diameter and Socket bottom diameter for the 3 and 4 in sizes.