



**Summary of Substantive Changes
between the 2011 and the 2016 edition of
ASME B16.3, Malleable Iron Threaded Fittings
Classes 150 and 300**

Presented to the IAPMO Standards Review Committee on July 10, 2017

General: The changes to this standard might have an impact on currently listed products. The significant change is:

- Added limitations for the design and an additional hydrostatic test for reducer fittings (see Section 7.2).

7 Dimensions and Tolerances: Added limitations for the design and an additional hydrostatic test for reducer fittings as follows:

7.2 Reducing Fittings

The dimensions ~~in Tables 3 through 18 (Tables I-3 through I-18)~~ of reducing fittings shown in Tables 4, 5, 8, 12, 13, and 15 (Tables I-4, I-5, I-8, I-12, I-13, and I-15) are for use only when making patterns for the specific reducing fitting in question and do not apply when a larger size pattern is reduced (i.e., "bushed") to make the ~~reducing~~ reduction or reductions in the fitting wanted. Reducing pipe fitting patterns shall be designed to produce wall thicknesses, detail, and dimensions as required for the sizes involved.

7.2.2 The transition in wall thickness from one end size to another shall be in a manner that minimizes the addition of stress caused by sudden changes in direction or wall thickness.

7.2.3 Proof of design shall be verified by a hydrostatic pressure test made at ambient temperature in which pressure is applied for a continuous period of no less than 1 min and at a constant minimum pressure of no less than 5 times the pressure rating of the largest size of end connection in the reducing fitting. Testing is considered successful only when no evidence of cracking, fracturing, or leakage is exhibited after holding for at least the minimum time at or above the required pressure.

Table I-9, Dimensions of Class 150 Caps (SI): Corrected the dimension for the Minimum Outside Diameter of Band , H from 2.46 to 2.96 mm.