



**Summary of Substantive Changes  
between the 2011 and 2012 editions of  
CISPI 310 “Coupling for Use in Connection with Hubless Cast Iron Soil Pipe and  
Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications”**

**Presented to the IAPMO Standards Review Committee on June 9, 2014**

**General:** The changes to this standard should not affect currently listed products. The substantive change is:

- Added a method for collecting test specimens for hubless coupling gasket inserts (see Section 2.2).

Section 2.2 Sealing Sleeve: Clarified the test procedure and included an allowance for collecting the test specimen for hubless coupling gasket inserts as follows:

2.2.3 When testing ~~sealing-sleeves pipe gaskets~~, the prepared specimens shall be 1”-in. disks cut from prepared samples 0.075 in. (1.905 mm) to 0.090-in. (2.286 mm) inches-thick and not to exceed seven (7) plies. For hubless coupling gasket inserts a test specimen measuring .43 in. (10.922 mm) X .75 in. (19.05 mm) may be cut directly from the part provided the sample is of consistent thickness. The thickness of the ~~disk-sample~~ shall be measured ~~per-in~~ accordance with ASTM Test Methods D395, section 13.1. Since all specimens from ~~sealing-sleeves hubless pipe gaskets~~ are curved, not flat, it is important to measure the thickness in the center of the ~~disk-sample~~ with the specimen laying in a concave manner. Measure the thickness of each ply and add the measured thickness of each ply (not to exceed seven plies) to determine the original plied up thickness (to) and multiply it by .75 to determine the thickness of the spacer bar to be used (tn). Assemble the plied up specimens in the test fixture (ASTM Test Methods D395, Fig. 3) with the proper thickness spacer bars and place in oven for 22 h at 158 +/- 2°F (70 +/- 1°C). At the end of the test period take the device from the oven and remove the test specimens immediately and allow to cool in accordance with ASTM Test Methods D395, section 13.4. After the cooling period measure the final thickness at the center of the plied up test specimen placed in a concave position on the dial micrometer to determine the final thickness (ti). Calculate the compression set expressed as a percentage of the original deflection as follows:

Table 1, Rubber Sealing Sleeve: Removed proscriptive language from the note as follows:

Note – Dimensions found in these drawings are for informational purposes only. the dimensions A and B found in the table are mandatory. Dimensions D1 and D2 found in the tables are reference for mold design. Tolerances are found in Table 2a Fig. 2. The center stop ~~measurement shall be~~ width is (3/32”) (0.094”) minimum, measured at the top of the center stop. This measurement shall be considered a non critical dimension. plus the 5° draft angle. on the center stop is for manufacturing purposes and it shall be permissible to have different or no draft angle on the center stop. Sealing ring shape and dimensions are to manufacturer design.