

**Summary of Changes
between the 2009a and 2011 editions of
ASTM C1277, “Standard Specification for
Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings”**

The changes between the two editions are related mostly to continuous compliance testing.

Section 3.2: Definitions of *Shield*, *Manufacturer Clamp Assembly and Shield*, and *Manufacturer Gaskets* were revised.

Section 5.2: the frequency for the oil immersion tests was changed to 120 days from ~~annually~~.

Section 7.1: the frequency for the oil immersion test was changed to 90 days from ~~120 days~~.

Figure 1:

- The sentence The center stop width is (3/32) .094 plus the 5° draft angle. Sealing ring shape and dimensions are to manufacturer’s design was added to the note.
- Informational dimensions were removed from the figures.
- Some dimensions were made into minimums and tolerances were removed from those dimensions.

Figure 2:

- The sentence Sealing ring shape and dimensions are to manufacturer’s design was added to the note.
- Informational dimensions were removed from the figures.

Table 1: The sentence All diametral dimensions shall have a tolerance of ± 1% was added to the note.

Table 2: ozone cracking requirements were changed.

Table 3: band, screw and shield requirements were changed.

Section 7.1.4.2: the time to hold the pressure for the unrestrained hydrostatic test was reduced to 5 min from ~~10 min~~.

Figure 3:

- The following notes were added:
NOTE—C dimension is a reference dimension only.
NOTE—The “P” dimension is allowed on either end of the part. A “P” dimension is required on shield designs that have a single corrugated pattern. Measure the shield material thickness and the corrugated or pattern height with a caliper or a disc micrometer. The material thickness is .006 to .009. Three random measurements of shield corrugated height should be taken and the median used as the value.
- The figure was revised in its entirety, but the dimensions remained unchanged.
- Tolerances for P and W dimensions were revised; L dimensions were made into minimums and tolerances were removed.

Appendix X1: ~~Installation Appendix X1~~ was deleted.