



**Summary of Substantive Changes  
between the 2018 and the 2020 editions of  
ASTM C1277 “Shielded Couplings Joining Hubless Cast Iron Soil Pipe and  
Fittings”**

**Presented to the IAPMO Standards Review Committee on November 15, 2021**

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

- Revised Dimensional requirements and expanded the allowable sizes to 15 inches (see Table 1)

**TABLE 1 Dimensional Tolerances for Rubber—  
Standard Dimensional Tolerances RMA CLASS 3**

Size, in.	Fixed, ±	Closure, ±
0 to 0.499	0.010	0.015
0.500 to 0.999	0.010	0.018
1.000 to 1.999	0.015	0.020
2.000 to 2.999	0.020	0.025
3.000 to 3.999	0.025	0.030
4.000 to 4.999	0.030	0.035
5.000 to 7.999	0.035	0.050

NOTE 1—8.000 and over—multiplied by 0.0050. These are commercial tolerances. All diametral dimensions shall have a tolerance of 61%.

**TABLE 1 Dimensional Tolerances for Rubber Gasket Sleeves**

Size, in.	Fixed, ±	Closure, ±
1½	0.020	0.050
2	0.020	0.050
3	0.020	0.050
4	0.020	0.050
5	0.025	0.055
6	0.025	0.055
8	0.030	0.063
10	0.030	0.063
12	0.035	0.063
15	0.035	0.063