



TRANSMITTED VIA EMAIL

August 5, 2026

Olivia Croxall
CSA Group
100 Barr Harbor Dr.
West Conshohocken, PA 19428-2959

Dear Ms. Croxall:

U.S. Consumer Product Safety Commission (CPSC) staff requests that CSA Group reconvene the Technical Committee on Barbecue Brush Safety to discuss potential revisions to the performance tests in CSA Z630:2019 *Barbecue Grill Brushes*.¹ The standard was developed to address injuries caused by ingestion of metal bristles.

CPSC staff tested more than 70 grill brushes to the Section 4.3 Mechanical Requirements in CSA Z630, using the Section 5 Test methods for Wire bristle durability (section 5.2 Cycle and load force). In particular, Section 5.2.2.2 describes the test procedure for mounting a grill brush head in a stroke simulator and completing 3,600 cycles of brush motion across a grill grate. After completion of the test, any bristles or bristle fragments that separated from the brush head are collected and counted to determine compliance with the durability requirement.

Based on our experience conducting the bristle durability tests, staff recommends the following changes to the performance requirements to improve repeatable and reproducible results:

- I. Revise test procedures to specify the test set-up and collection of separated bristles. During testing, staff observed bristles thrown a considerable distance away from the grate. To catch all of the liberated bristles, staff built a containment box around the grate and actuator (see Figure 1 below).

¹ The views expressed in this letter are those of CPSC staff and have not been reviewed or approved by, and may not necessarily reflect the views of, the Commission.

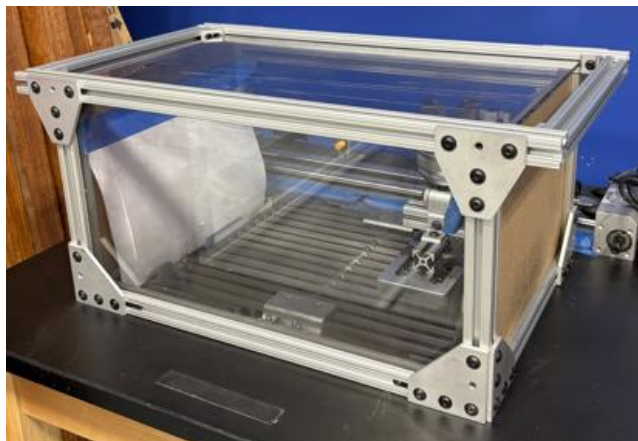


Figure 1. Containment box used to capture grill brush bristles during cyclic test.

- II. Develop a standard cooking grate to ensure uniform perpendicular engagement of the bristles against a cross member. Currently the standard does not specify the grill grate test surface. A test lab typically orders a grill grate and could use the grate side with flat support bars or the side with V-shaped support bars as shown in Figure 2. The different cross-section shape of the support bars (round rod versus V-shaped) could also affect test results if the profile causes the grill brush head to settle differently between the bars during the test. A standard test grate would eliminate variances in grate designs from different manufacturers.

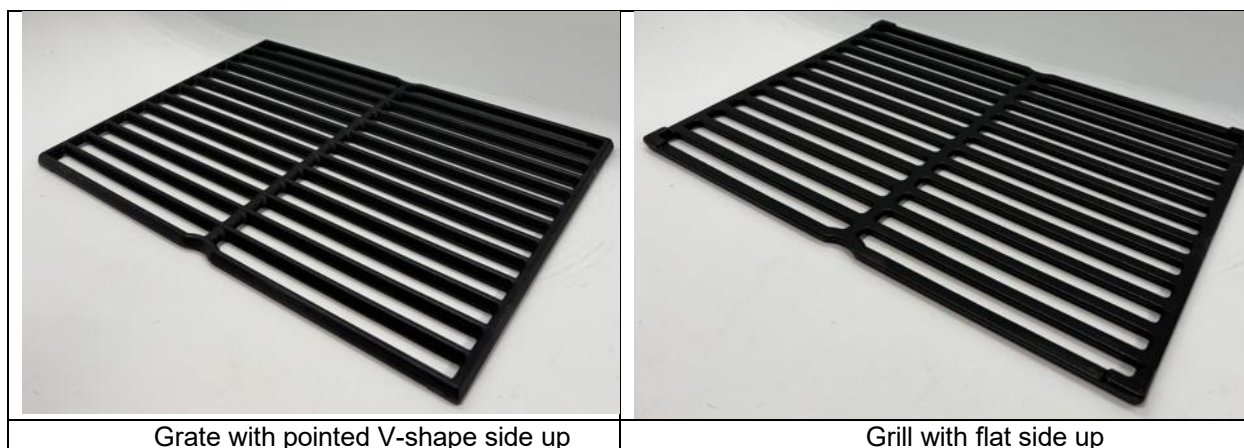


Figure 2. Grill grate surface.

When a task group is established, CPSC staff would be willing to participate and assist in developing safety requirements.



United States
Consumer Product Safety Commission

Thank you for your attention to this matter.

Sincerely,

Carlos Torres

Mechanical Engineer
Directorate for Engineering Sciences

cc: Jacqueline Campbell, CPSC Voluntary Standards Coordinator
Han Lim, CPSC Mechanical Hazards Program Manager