



# SURFACE VEHICLE STANDARD

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**(R) Method of Testing Resistance to Scuffing of Trim Materials**

## RATIONALE

Changes to this document compared to previous versions include: updated drawings that removed manufacturing details (Figures 1 and 2); updated description of the scuff fixture (3.2); added note stating abrader vacuum system is not utilized (3.2 note); added new heading for 4.2; condensed steps and made wording consistent for each group of materials (4.2.1 and 4.2.2); moved scuffing process to 4.3; removed requirement to report mounting configuration and configuration tested (Section 5).

### 1. SCOPE

This test can be used to determine the resistance to scuffing of test specimens such as fiberboards, fabrics, vinyl-coated fabrics, leathers, and similar trim materials.

### 2. REFERENCES

There are no referenced publications specified herein.

### 3. MATERIALS AND EQUIPMENT REQUIRED

#### 3.1 Abrader

Taber Rotary Platform Abraser or equivalent, including the following components:

##### 3.1.1 Specimen Holder

108 mm OD.

##### 3.1.2 Hold-Down Ring

108 mm ID.

##### 3.1.3 Rubber Pad

##### 3.1.4 Clamp Plate

54 mm OD for fabrics, leather, coated fabrics, and similar flexible materials.

32 mm OD for carpets and other floor covering materials.

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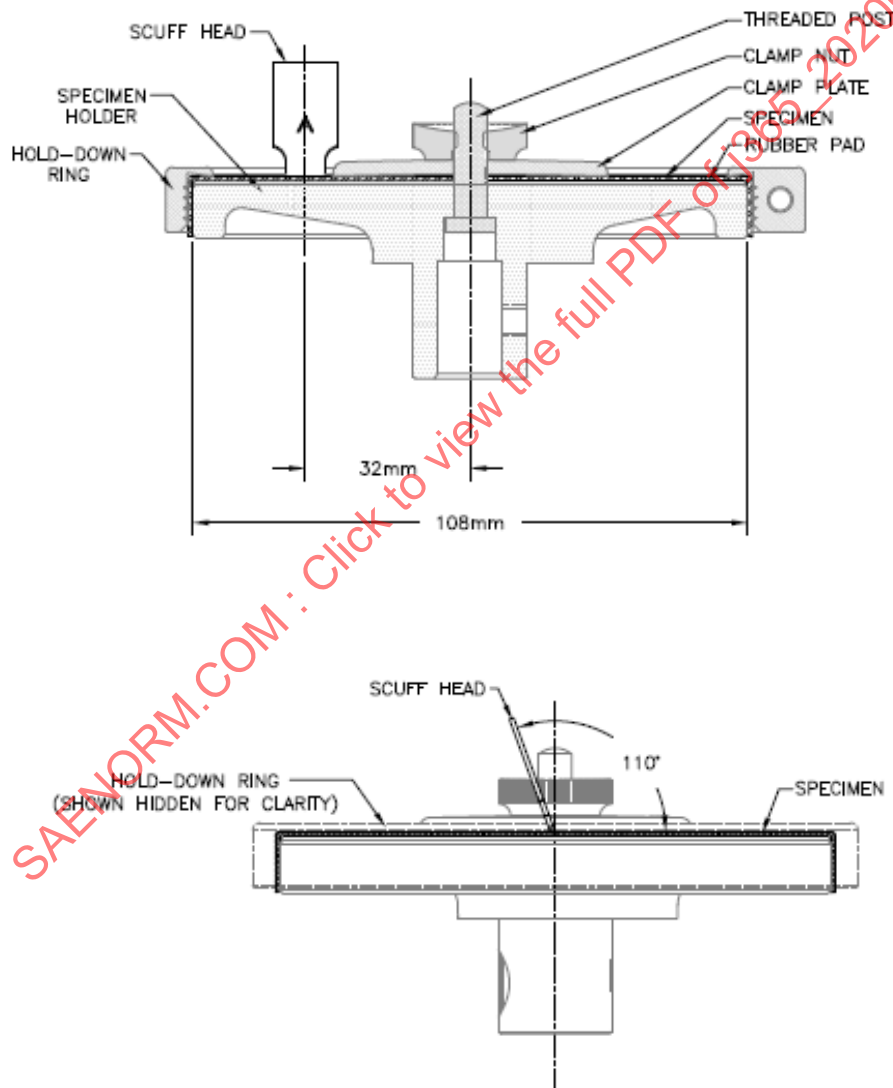
### 3.2 Scuff Fixture

Positioned on the left side of the specimen holder, the scuff fixture holds the scuff head at a  $110^\circ \pm 1^\circ$  angle with the vertical centerline of the scuff head located in a horizontal alignment and 32 mm from the specimen holder threaded post as shown in Figure 1. A weight applies a known mass to the scuff head tip.

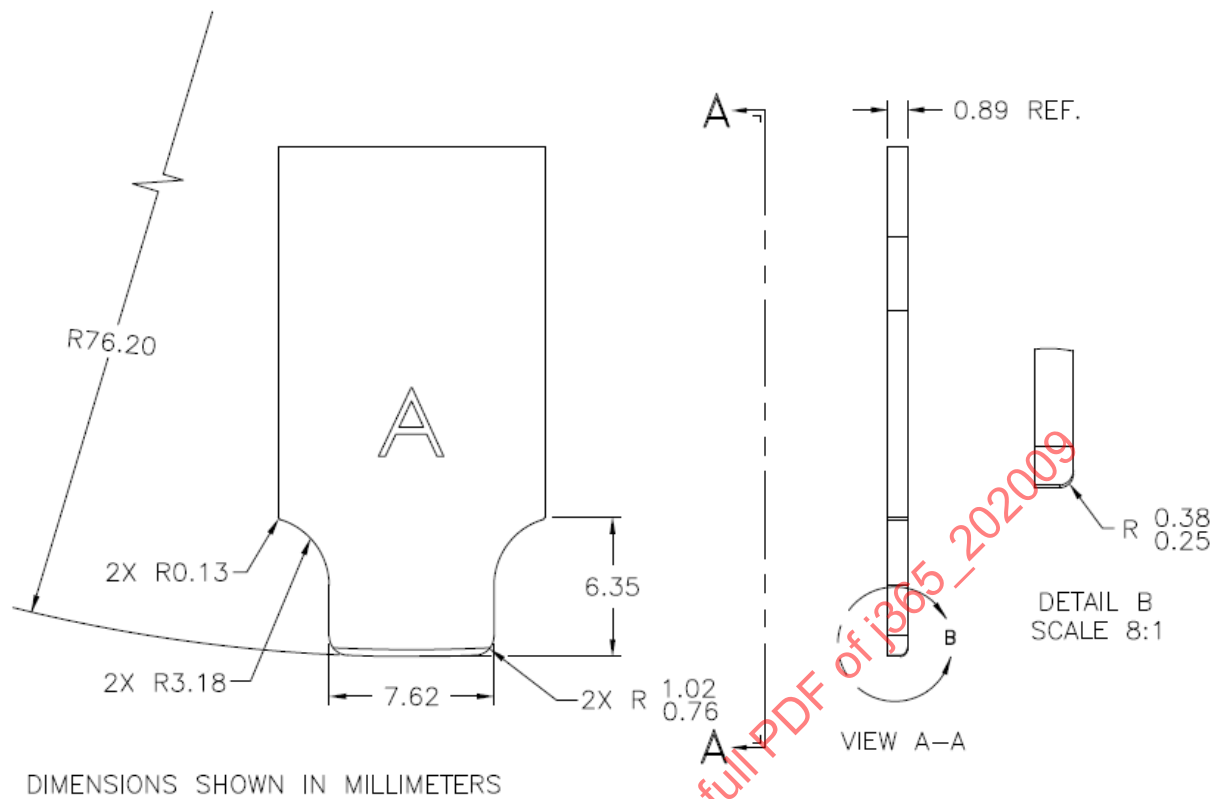
Scuff head Type A is utilized and 0.9 kg mass is applied to the scuff head tip, unless otherwise agreed upon by the interested parties. The scuff head tip shown in Figure 2 shall be frequently checked for dimensions and replaced if found to deviate from the specified tolerances.

NOTE: The scuff fixture is used in place of abrasive wheels.

NOTE: The abrader vacuum system is not utilized during the scuff test.



**Figure 1 - Scuff head position on specimen holder (front and side view)**



**Figure 2 - Scuff head Type A**



**Figure 3 - Example of scuff test fixture attached to abrader**