

*For Comments Only*

**BUREAU OF INDIAN STANDARDS**

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**DRAFT AMENDMENT NO. 1**

**TO**

**IS 2742 (Part 7): 2018 AUTOMOTIVE VEHICLES - BRAKE LININGS PART 7 SHEAR TEST  
PROCEDURE FOR DISC BRAKE PAD AND DRUM BRAKE SHOE ASSEMBLIES**

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**Automotive Braking Systems, Vehicle Testing, Steering  
and performance Evaluation Sectional Committee, TED 4**

**Last date for receipt of  
comments is 05/04/2024**

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*(Page 1, clause 5)* — Substitute the following for the existing:

**‘5 SAMPLING AND CONDITIONING**

The friction material shall be asbestos-free.

This procedure can also apply for samples during product development, on finished products, or after special treatment or usage (inertia-dynamometer testing or field use) with the appropriate preparation.

Perform the testing on a complete assembly or a section (coupon) of the assembly. When testing a section or coupon, apply the load in the radial or tangential direction relative to the vehicle mounting position. Indicate the test orientation on the test report.

If needed, prepare the sample edges to ensure good contact with the loading and fixed tools. Remove noise insulating shims before the test.

When testing a lined shoe, the test area may cover the full assembly or segments of an assembly confined by saw cutting down to the carrier (*see* Fig. 1).

Use five samples for standard testing. Take at random, from the factory output, a minimum of fifteen representative linings or pads of nominally the same shape, size and material.’

NOTE — The test procedure applies a load in a direction that might not be in accordance with the loading direction of the product in service. A high aspect ratio, chamfered, or slotted pads might influence the shear behavior of the pad assembly

(TED 04)