

Polishing & Skid Resistance

TG-208

Skid Resistance Tester

Skid resistance

IS 2386-4

Pendulum friction tester for measuring the skid resistance of polished stone specimens to IS 2386 (Part 4).

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Description

A spring-loaded rubber slider on the end of a pendulum arm swings across the test surface, and a pointer records how far the arm carries on. The tester follows the design of the Road Research Laboratory, UK. Pendulum testers of this type are also used on road and airfield surfaces.

The sliding edge is 500 mm from the axis of suspension. The swinging arm, slider included, weighs 1.500 ± 0.025 kg, with its centre of gravity 405 ± 5 mm from the centre of suspension. The arm is held horizontal and released to fall freely.

The slider is a rubber pad 32 mm wide and 6.5 mm thick on a rigid base, 25 ± 2 g in all, set at 20 degrees to the horizontal at the bottom of the swing so only its rear edge touches the surface. It is spring-loaded to 2.25 ± 0.05 kg, and the load changes by no more than 190 g per cm of slider deflection.

The column can be set vertical, and the suspension height adjusted so the slider either swings clear or slides over a fixed 75 ± 1.5 mm of the surface. A holder locates one curved specimen from the accelerated polishing machine centrally in the pendulum's path. The pointer weighs no more than 85 g and has adjustable friction.

Supplied ready for use with operating manual and test certificate. Contact us for configuration options, accessories and calibration services.

Technical specifications

Arm weight (with slider)	1.500 ± 0.025 kg
Sliding edge to axis	500 mm
Slider pad	32 × 6.5 mm rubber, 25 ± 2 g
Slider load	2.25 ± 0.05 kg
Sliding length	75 ± 1.5 mm
Pointer	<= 85 g, adjustable friction