

Aggregate Testing

Skid Resistance Testing



Pendulum Skid Resistance Tester

EN1097-8



- Designed for laboratory and on site road surface testing
- Low friction arm and lightweight pointer
- Supplied with 'F' scale for use with small slider set for 76 mm slide length (PSV test)
- Highly repeatable
- Supplied with carrying case

Applications

- Assessment of surface friction and skid resistance properties
- Testing of aggregates in the PSV (Polished Stone Value) test
- Testing of new road surface materials
- Testing of pedestrian pavements
- RTA (road traffic accidents)
- Litigation investigations

The Pendulum Skid Resistance Tester was originally designed in the 1940s in the USA, and further developed in the 1960s at the TRL (Transport Research Laboratory) for the testing of road surfaces.

The device measures the frictional resistance between a rubber slider mounted on the end of a pendulum arm and the surface to be tested. This provides road engineers with a method of checking the resistance of wet and dry surfaces to slipping and skidding, both in the laboratory and insitu.

It operates by a pendulum rotating about a spindle which is attached to a vertical pillar. At the end of the tubular arm a head of known mass is fitted with a rubber slider. The pendulum is released from a horizontal position so that it strikes the sample surface at a constant speed. The distance travelled by the head after hitting the sample is determined by the friction of the sample surface.

Ordering Information

42-6000 Pendulum Skid Resistance Tester.

Specification

Dimensions (L x W x H)	695 x 295 x 695 mm
Volume	0.15 m3
Weight	30 kg