

A Tool to Determine the Water Distribution of Dynamic Friction Devices during the Measurement Process

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ABSTRACT

Skid resistance is a key factor of road safety. Knowing its magnitude in order to maintain it acceptable is a necessity for authorities. Its evaluation is regularly done roads and runways in major countries in the world. Among the measurement conditions, the water distribution to wet the surfaces has a great influence on the magnitude of the skid resistance that will be measured. It is therefore essential to determine it in order to foresee any harmonization of skid resistance measurements through the world. To achieve this, we have implemented a tool. From channels machined on a metal plate to collect the watering water. By taking up this plate and taking a picture of it and using image processing software that we have developed, we are able to determine the distribution of water

KEYWORDS

Slip rate, image processing, skid resistance, dynamic device