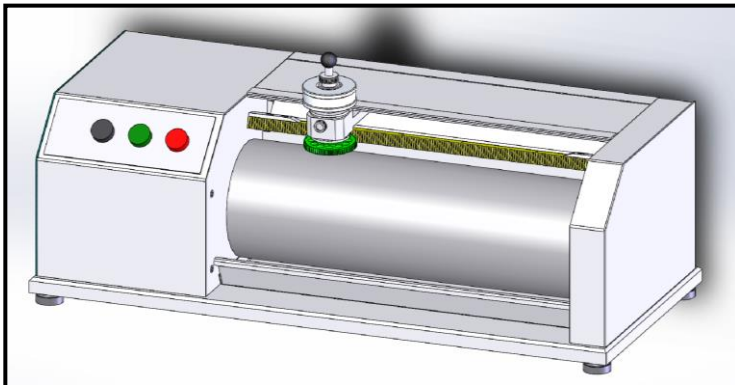


### Sole Abrasion Tester, with Rotating Sample Holder, **HILAB model H072R**



**Purpose** – Assess the abrasion resistance of a polymeric material normally used in sole footwear, according to *ISO 4649: Met. A and B; ISO 20871; ASTM D5963:Met. A and B; TM174.*

Test could be performed with rotating or fixed sample holder.

This machine is similar to **model H072**. The only difference between them is a rotating sample holder of **H072R**.

The abrasion machine basically consists of a laterally moveable test piece holder and a rotatable cylinder to which a specified abrasive cloth is fixed, diameter of cylinder is  $150 \pm 0,2$  mm and the frequency of rotation  $40 \pm 1$  Rpm.

The test piece holder consists of a cylindrical opening, the diameter of which can be adjusted and have a device for adjusting the length of the test piece protruding from the opening to  $2 \pm 0,2$  mm. The test piece is pressed against the abrasive cloth with a force of  $10 \pm 0,2$  N and the lateral displacement is approximately 4,2 mm per revolution of the cylinder, so that test piece is only traversed four times across the same area of the abrasion cloth. The test automatically stops at the end of the abrasion distance.

To satisfy standards requirements supplementary weights are supplied to allow perform the test with force of 5; 10 or 20 N.

**IMPORTANT:** The equipment has a pre-installation of a vacuum cleaner, which allows the connection of a standard dust cleaner.

All parts of the equipment contacting with sample are made in stainless steel and aluminum. The drum is covered with polished hard chromium, marked with references to facilitate the installation of the standard abrasion paper.

TECHNICAL DATA			
<b>Voltage</b>	(VAC)	230 ± 10	<b>Important Note:</b> Machine must be installed in a strong, rigid, and leveled bench, in a controlled and clean environment
<b>Frequency</b>	(Hz)	50	
<b>Power</b>	(W)	350	
<b>Compressed air</b>	(bar)	----	
<b>Dimensions (W x H x D)</b>	(mm)	800 x 400 x 400	
<b>Net Weight (including base)</b>	(Kg)	51	

Due continuous technical development, we reserve the right to introduce product changes, without previous notice.