

Blade Cutting Resistance Tester, HILAB model H071



Purpose – Assess the resistance of upper and glove materials to be cut by blade, according EN ISO 20344:5.23; ISO 23388:6.2; EN 388:6.2.

The “Blade Cutting Resistance Tester” basically consists of a double sampler holder laterally moveable in steps equal to the distance between sample cuts, as demanded by standard. In the sample holder is also mounted a standard rubber and aluminum foil, both under the sample.

A free rotating blade, under pressure of a standard weight, is moved backwards and forwards over the surface of the test material over a fixed stroke length.

An automatic system detects when the blade cut through the sample and stops immediately the machine.

The test result is an INDEX, calculated acc. standard specifications, based on number of cycles taken by the blade to cut through the “control specimen” and the “test sample”.

All parts of the equipment contacting with sample are made in stainless steel and aluminum.

<u>This equipment fulfils EC safety standards.</u> A conformity certificate is issued	Certificate of conformity with test standards and a Workshop certificate are issued
<u>The origin of this equipment is PORTUGAL.</u> A certificate will be is issued at dispatch time	Operation manual is delivered with equipment

TECHNICAL DATA

Characteristics			Standard accessories
Cutting displacement	(mm)	50	2 Clamping frames (1 for test sample; 1 for control)
Cutting speed	(cm/s)	10	2 sheets of conductive rubber, 80 ± 3 IHRD
Force over blade during test	(N)	5 ± 0,05	<u>Cutting detection system:</u> <ul style="list-style-type: none"> • Automatic; • Adjustable sensibility
Blade diameter	(mm)	45 ± 0,5	
Blade thickness	(mm)	0,3 ± 0,03	
Blade cutting angle	(°)	30 to 35	
Blade hardness	(Vickers)	740 to 800	
Conductive rubber	(IHRD)	80 ± 3	<u>Installation:</u> Machine must be installed in a, rigid and leveled bench.
Voltage	(VAC)	230 ± 10	
Frequency	(Hz)	50	
Power	(W)	350	
Dimensions (F x H x D)	(mm)	450 x 480 x 250	
Net Weight (including base)	(Kg)	18	

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