



Ross Flex Tester

Standards: [ASTM D1052](#), [ISO 5423](#), [SATRA TM 60](#)



ULTIMATE USER-FRIENDLINESS



LEADING DEPENDABILITY AND RELIABILITY



STRICT COMPLIANCE WITH INDUSTRY STANDARDS



STOCKED CONSUMABLES AND SPARES



TRUSTED AFTER SALES TECHNICAL SUPPORT



LIFETIME PRODUCT SUPPORT ADVANTAGE

Description

Ross Flex Tester is designed to determine the resistance of vulcanized or synthetic elastomers to cut growth. The system does so under continuously bend flexing in 90°. This digital system has a memory function and is suitable for PU, PVC and TPR foams. It is particularly used for shoe soles because it is capable of testing virtually any flexible sheet-like material.

After continuous bending, the damage and cracking degree is examined. The machine clamps the end of the test specimen to the holder arm while the pierced end is placed between two rollers that must permit a free bending movement of the test specimen during the test. During each of the test cycles, the pierced area of the test specimen is bent freely over a 10-mm(0.4 in.) diameter rod through a 90° angle.

According to the industry standard, the Ross Flex tester operates at 1.7 ± 0.08 Hz (100 ± 5 cpm). After a specified number of tests, the operator will measure the length of the notch of the test piece, and evaluate the zigzag resistance of the test sole relative to the notch growth rate.



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Technical Specifications

Model	NG-ROSS-6	NG-ROSS-12
# Grips	Grips for 6 test films	Grips for 12 test films Or 6 outsoles
Bending Angle	90 +/- 20	
Bending Speed	100±3 CPM	
Dimensions (WxDxH)	19.7x24x21.6" (500 x 610 x 550 mm)	
Net Weight	231 lbs / 105 kgs	
Power Supply	110V/60Hz/1Ph	
Vacuum Pressure	65mm-Hg	



Watch Video



Watch the Ross Flex Tester product video.

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Standard Configurations

- Main unit
- 1pc standard die mould
- 1pc hole puncher
- System Manual