



YASUDA
— TESTING THE LIMITS —

No.270 ROSS FLEXING TESTER 【 YASUDA-SEIKI】 To evaluate the durability of rubber from shoe soles

Contents

No.270 ROSS FLEXING TESTER

No.270-L ROSS FLEXING TESTER (WITH REFRIGERATING MACHINE)

No.270 ROSS FLEXING TESTER



ASTM-D1052

This tester is used to evaluate the durability of rubber by observing the growth of bending stress induced cracks. The test specimen is usually taken from shoe soles. The test specimen is to have a 2.5 mm long crack and is to be bended to a 90°angle until the crack becomes a maximum of 500 %. Every 100 % the crack grows, the operator is to record the number of bends the test specimen has received. The tester can also be assorted with a low temperature oven (L type).

Specification

Model	No.270 ROSS FLEXING TESTER
Hangings	12 Hangings (W25 mm) or 4 Hangings (W100 mm) (2 kinds)
Specimen	W25 ±1 mm, L153 mm, T6.35 ± 0.03 mm (Standard)
Flexing Angle	90° (Option: 45°, 2 Stage Type)
Flexing Speed	100 ± 5 times/min

Roller Stroke	0 to 50 mm (Adjustable)
Counter	6 Digits Preset Counter
Temperature Range	—
Accessory	Notching Tool
Power Source	AC 100 V, 1-Phase, 10 A, 50/60 Hz
Dimensions/ Weight (Approx.)	12 Hangings: W700 × D450 × H300 mm/ 50 kg 4 Hangings: W700 × D450 × H300 mm/ 50 kg

No.270-L ROSS FLEXING TESTER (WITH REFRIGERATING MACHINE)



ASTM-D1052

This model is equipped with a low temp. chamber for conducting flexing tests at low temperatures.

The durability is evaluated by the number of bends it takes for the crack to grow every 100 % up to 500 %.

Specification

Model	No.270-L ROSS FLEXING TESTER (WITH REFRIGERATING MACHINE)
Hangings	12 Hangings (W25 mm) or 4 Hangings (W100 mm) (2 kinds)
Specimen	W25 ±1 mm, L153 mm, T6.35 ± 0.03 mm (Standard)
Flexing Angle	90° (Option: 45°, 2 Stage Type)
Flexing Speed	100 ± 5 times/min
Roller Stroke	0 to 50 mm (Adjustable)
Counter	6 Digits Preset Counter
Temperature Range	-35 to 60 °C (Refrigerator)
Accessory	Notching Tool

Power Source	AC 200 V, 3-Phase, 30 A, 50/60 Hz
Dimensions/ Weight (Approx.)	W1,100 × D690 × H1,020 mm, 300 kg