

Sample Cutter for Martindale Abrasion Test

For the abrasion test of textile material in accordance with the Martindale method (DIN EN ISO 12947/1-4), test objects can be prepared with the specific Martindale sample cutter.

The test samples can be tested on abrasion resistance by determination of specimen breakdown (DIN EN ISO 12947 Part 2), for measuring of mass loss (DIN EN ISO 12947 Part 3) and assessment of appearance change (DIN EN ISO 12947 Part 4).

The sample cutter replaces the unhandy punch method, which demands a higher force to prepare the testing sample. The handling with the sample cutter is much easier and safer.

Principle of the Martindale abrasion test

A round pattern of the test material with diameter 38mm is going to be turned against an abrasive. The abrasion resistance is reported in abrasion cycles. The abrasion test is continued until the destruction of the sample. As a result of the test you get the number of abrasion cycles in which the measuring sample is still intact. The fabric is more durable, the higher the number of cycles.

Technical data's

The Martindale sample cutter with its compact measurement and the robust casing cuts with four internal stainless steel blades within seconds. The 12 cm² probes are been cut out perfectly round and with smooth edges. It suffices a 90°-turn and you have finished the preparation for the Martindale test.



Picture 1 – Sample cutter for samples for Martindale abrasion test

Sample cutter	Order No. ZB-RPS02
Measurement	Height 113 mm Ø 85 mm
Material	Steel casting
Weight	1100 g (net)
Handling	Manual
Cutting blades	4x in stainless steel
Cutting depth	max. 5 mm
Accessories	1 cutting board, 4 spare blades
Delivery unit	1 piece

Orders at:



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