

Sample Cutters



Sample Cutters enable you to cut out rapidly and accurately circular specimens of a fixed diameter.

Virtually any type of material can be cut, including woven, nonwoven and knitted textiles, carpet, film, foam, paper and board.

The cutters can handle material thicknesses up to about 5mm. If you need more, Model 230/100(C) incorporates heavy duty blades and can cut specimens up to approximately 10mm thick. If in doubt, send us some material for evaluation.

Cut specimens are weighed to determine the weight per

unit area of the material or specimens are cut to a particular diameter in preparation for some other form of testing.

Subject to quantity, we can offer any diameter between 38mm and 140mm. Diameters outside this range are not practical. The standard sizes are shown in the table below.

UKAS-accredited Certificates of Calibration are available to confirm the cutting accuracy of these instruments.

We supply suitable digital balances for weighing the cut specimens in either g/m² or oz/yd².

Different Sizes

Model	Specimen Area	Specimen Diameter
230/10	10cm ²	36mm
230/50	50cm ²	80mm
230/100	100cm ²	113mm
230/103*	1/100 th yd ²	103mm
230/38	12cm ²	38mm
230/140	154cm ²	140mm
230/100(C)	100cm ²	113mm

*Weigh the specimen in ounces and multiply the result by 100 to obtain oz/yd²

Working Principle

The material is placed between the Sample Cutter and a special type of cutting board. When the safety catch is released, light downward pressure on the hand wheel brings multiple blades into contact with the material. Specimens are cut out by rotating the hand wheel and exerting a light and even pressure.