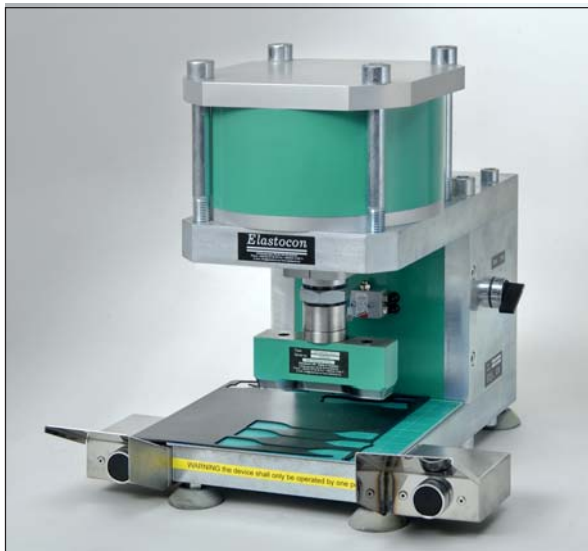


Sample Preparation of rubber and plastic materials



Specimen Cutting Press, EP 02 for preparation of test specimens of rubber and plastic materials, by punching. EP 02 is a small and compact pneumatic press for preparation of test specimens in the laboratory. EP 02 stands on rubber feet and does not need to be attached to the table.

The cutting press also has a system for quick change of cutting dies.



Specimen Rotating Knives, EP 03 for preparation of test specimens for compression set and abrasion tests from test sheets and finished products.

The rotating knives are manufactured of specially grounded hardened steel. They are used in a stationary drilling machine, against a soft base material and lubricated with ethanol or propanol.

Using of cutting dies with a guiding rod

When cutting samples which curl and do not lie flat, the guiding rod (EP 04.04) can be used.

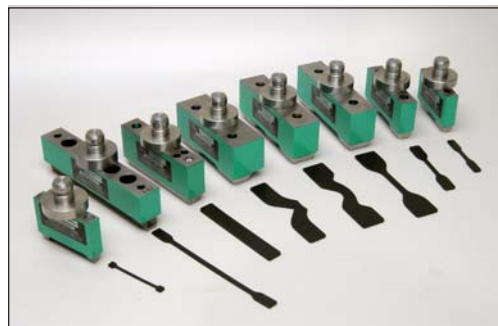


The guiding rod makes it possible to have the cutting die standing on the sample and yet get guiding. The rod is included when purchasing EP 02 or EP 08.



Specimen Cutting Press, EP 08 for preparation of test specimens of rubber and plastic materials, by punching. EP 08 is a small and compact manual press for preparation of test specimens in the laboratory. EP 08 stands on rubber feet and does not need to be attached to the table.

The cutting press also has a system for quick change of cutting dies.



Specimen Cutting Dies, EP 04 are manufactured in both standard and special shapes. A special shank for mounting in presses EP 02 and EP 08 can be fitted. Shanks for other cutting presses are available. All cutting dies are now manufactured with an ejector plate, which helps the work and protects the edges and operator.

Technical Specifications

Specimen Cutting Press

	EP 02	EP 08
Cutting pressure, kN:	18, max 25	10
Air pressure, Bar:	6, max 8	-
Stroke, mm:	25	20
Height adjustment, mm:	50	30
Cutting die height, mm:	25 - 65	30 - 60
Base Plate size,mm:	200 x 200	200 x 150
Dimensions w x d x h, mm:	360 x 420 x 400	215 x 265 x 525
Weight, kg:	62	19
Material:	aluminium and zinc coated steel	aluminium and painted steel
Safety:	2-hand operation.	safety stop

Spare Parts

Cutting Mat, EP 02.01 Size, mm:	200 x 200
Cutting Mat, EP 08.01 Size, mm:	200 x 150

Specimen Rotating Knives, EP 03

Material:	hardened steel
Standard sizes:	dia 13 mm (ISO 815) dia 16 mm (ISO 4649)

Specimen Cutting Dies, EP 04

Material:	hardened steel
Standard shapes eg.:	ISO 37-1 = ISO 527-5 = ASTM D 412 die C ISO 37-2 = ISO 527-5A ISO 37-4 = ISO 527-5B ISO 34-A (trouser) = ASTM D 624 die T ISO 34-B (angle) = ASTM D 624 die C ISO 34-C (crescent) = ASTM D 624 die B ISO 2285 = ISO 2921 T50 ISO 2285 CL (tension set constant load) ISO 527-1A ISO 527-1B ISO 527-1BA

Shanks for the cutting dies

- EP 04.01 Shank for Elastocon, EP 02 and EP 08 cutting presses
- EP 04.02 Shank for Wallace, S1 cutting press
- EP 04.03 Shank for Ceast, 6051 and 6052 cutting presses
- EP 04.04 Guiding rod for Elastocon EP 02 and EP 08 (included)

We manufacture dies in both standard and special shapes.

Our cutting dies are made for soft materials such as rubber and soft plastic materials and for a normal thickness of 2 mm or maximum 4 mm. Other dimensions on request.

ELASTOCON reserve the right to modify these specifications in part or in whole.

Sample Preparation of rubber and plastic materials



Pyrolyse Oven, EP 01 for IR-Analysis

The equipment consists of a small tube oven, a flowmeter and a DC-current power source.

EP 01 meets the requirements in ISO and equivalent standards for pyrolysis when doing IR-analysis of rubbers.

The test sample is put into a Pasteur pipette and the pipette is connected to a nitrogen gas supply.



Nick Cutter, EP 07 for making the nick in the test specimen for ISO 34 die B, C and ASTM D624-B.

Nick depth : 1 mm, alternatively 0,5 mm with a different blade holder.

Round dies EP 04 with a diameter from 13 mm up to 112,84 mm (1 dm²).



Conditioning Box, EP 05

For temperature conditioning at 23 °C of the test pieces before testing.



Bizerba Slicer

For preparation of test pieces from rubber products.

The counter-top machine for all common cutting materials. This professional model is characterised by its compact size, long service life and powerful motor output.

The low design, smooth-running slide and hygienic easy-to-clean structure ensure fatigue-free, ergonomic operator handling.



Silver pens for writing on rubber

Technical specifications

<p>Tube Oven, EP 01</p> <p>Temperature range, °C: +100 to + 600 Temperature tolerance, °C: better than ± 25 Dimensions l x dia, mm: 80 x 50 Tube inner diameter, mm: 8 Voltage,V: 0 - 30 Power, W: 3 - 45 Heating up time, min: 30 - 45</p> <p>DC-current source,</p> <p>Voltage,V: 220 - 240/1/50 Output Voltage,V: 0 - 30 Output Current, A: 0 - 1,5 Flowmeter ,cc/ min: 0 - 800</p> <p>The temperature is set by adjusting the output from the DC-source, according to an attached diagram. Standards: ISO 4650</p>	<p>Nick Cutter, EP 07</p> <p>Material: painted and stainless steel Nick depth: 1 mm, alternatively 0,5 mm with a different blade holder</p> <p>Spare Part</p> <p>Cutting blade EP 07.01: Set of 10 cutting blades</p> <hr/> <p>Bizerba Slicer</p> <p>Voltage, V: 220-240/1/50 Cutter diameter, mm: 330 Cutter speed, rpm: 266 Max. material channel mm: circular: 224 rectangular: 260 x 224</p> <p>Cutting Thickness setting</p> <p>mm continuous: 0 - 24 mm fine adjustment: 0 - 3</p> <p>Mounting space, l x w: 520 x 430 300 x 420 mm (reduced)</p> <p>Overall size, mm, l x w: 625 x 555 x 432 max.space required</p> <p>Working area, mm, l x w: 672 x 740 Degree of protection: IP 33</p>
<p>Conditioning box, EP 05</p> <p>Temperature range, °C: +10 to + 40 °C * Nominal temperature, °C: 23 Temp. variation in time and space, °C: ± 0,5 Temperature reduction, below ambient, °C: min 12 Temperature sensor: NTC Dimensions, external, w x d x h, mm: 620 x 610 x 630 No. of shelves: 1 Weight, kg: 33 Voltage, V: 200 - 240 / 1 / 50 - 60 or 100 - 120 / 1 / 50 - 60 Cooling power, W: 62 Total power, W: 200</p> <p><i>*Lowest temperature depending of ambient temperature</i></p> <ul style="list-style-type: none"> • The casing consists of steel, painted with powder paint in bluegreen colour. • Temperature set point is set from a computer with supplied software. 	

ELASTOCON reserve the right to modify these specifications in part or in whole.