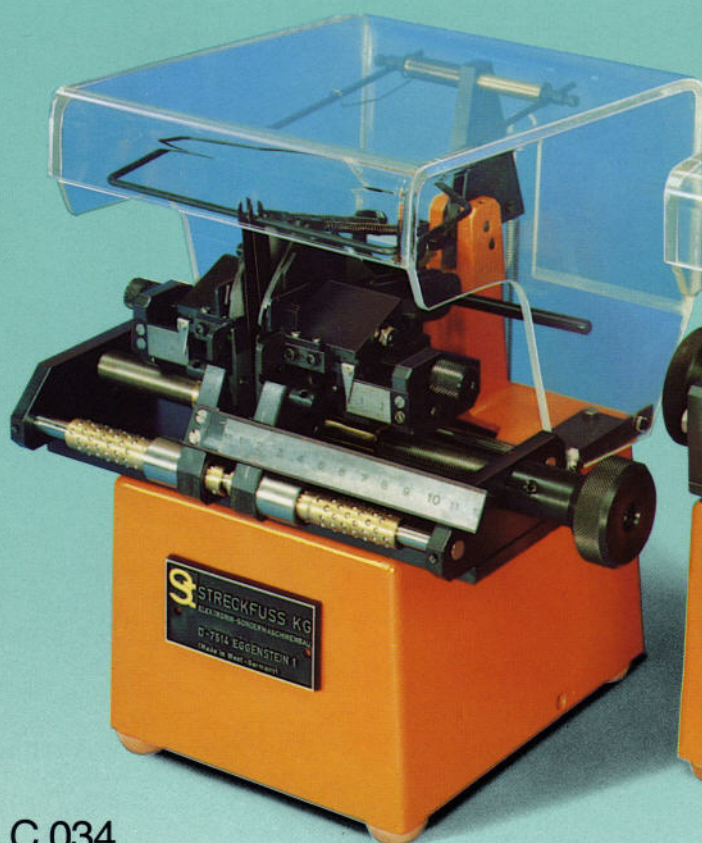


Cutting and Bending Device Type C 034 and C 035 for axial components



C 034



C 035



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Cutting and bending appliances for axial components

The C 034 cutting and bending appliance was specially designed for accurate cutting and bending of component connecting wires. It can be used to bend them back to angle of 90° exactly, or to "over bend" them by 2-3°. This is particularly useful where components have to be carefully inserted into printed circuit boards using very short lengths of connecting wire.

The C 035 super cutting and bending appliance is ideal for turning out components bent to uniform angles quickly, and also for wire bridges, and for cutting short leads and insulating tubes to a specific length.

C 034 and C 035 cutting and bending appliances can be used to cut components such as rheostats, capacitors, diodes etc. which have axial connecting wires, and wire bridges – all to size, and quickly.

The cutting and bending appliances have also been designed to machine individual and flanged components. The bending units are fitted with spring clamps, which ensure that there is no axial pull on the component during bending.

C 034 description

Two combined cutting and bending units are supported on a worm-gear spindle. The large right-hand knob is rotated to adjust the module to the required size. One full turn produces a 2.5 mm (.1") adjustment. The distance between the internal assembly units is indicated on a scale on the left-hand unit, and an engraved line on the right. This scale corresponds to the scale of the module (distance between the two pickup holes on the circuit board).

The bending units are adjustable individually to different wire thicknesses, to prevent connecting wires from being squashed.

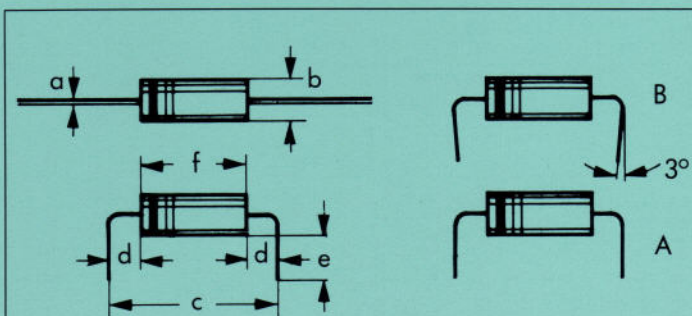
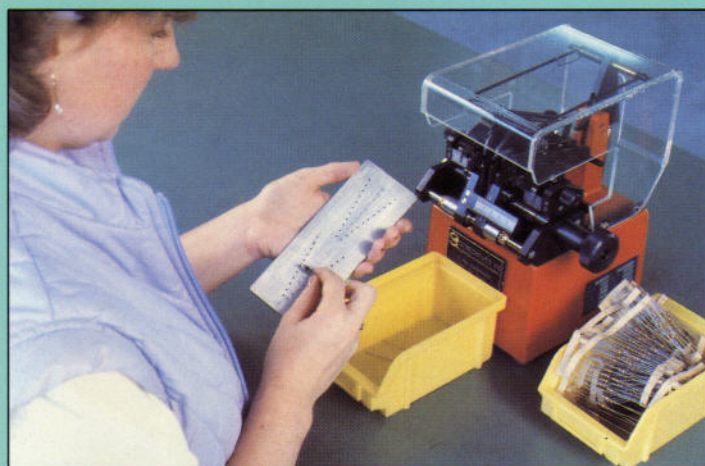
The cutting units are supported on the bending units by means of ball guides. Setscrews may be used to vary the lengths of the bent wire ends. There are graduated scales for adjusting the cutting devices.

C 035 description

Here, 2 cutting and 2 bending units supported on two worm-gear spindles. The right-hand is rotated to adjust the module to the required size. A sphere locks into place when it is fully rotated – i.e. making a 2.5 mm (.1") adjustment. This means the unit may be adjusted to exact multiples of 2.5 mm (.1"), e.g. 10 (.4"), 12.5 (.5"), 15 (.6"), 17.5 mm (.7") etc.

The distance between the internal assembly units is indicated on a scale on the left-hand unit, and on engraved line on the right. This scale corresponds to the scale of the module.

Rotate the left-hand knob to set the length of the bent wire ends. The bending unit support sections are designed so that components with very thin connecting wires, Ø 0.4 (.01") to 0.5 mm (.02"), can be cut and bent back, and components with thicker wires, Ø 0.6 (.02") to 0.8 mm (.03"), can be cut and bent forward, without the wires being squashed in the process.



Technical specifications		C 034	C 035
Main dimensions:		200 x 200 x 280 mm 7.8 x 7.8 x 10.9 inch	
Compressed air drive:		4 – 6 bars (60-80 PSI)	
Electrical drive			
Output per hour:		2000 – 4000	
Components loose/flanged:		loose and flanged	
Bending die		B	A
Component dimensions:		from – to	
a	0.3 – 0.8 (1.3) mm .01 – .03 (.05) inch	b	0 – 10 (25) mm 0 – .4 (.97) inch
c	10 – 50 (140) mm .4 – 1.95 (5.46) inch	d	1.5 (1) mm .05 – (.04) inch
e	min. 4 (3) mm .15 (.11) inch	f	0 – 40 mm 0 – 1.56 (inch)

() Please consult us if you have any particular requirements

Assembly of components cut to short lengths

For assembly of components cut to short lengths, first place a connecting wire in one of the circuit board pickup. The second then has to be pivoted into the other hole.

This accurate method of assembly requires the distance (module scale) between bent wires to be measured to an accuracy of ± 0.3 mm (.01").

The precise module dimension and length of the bent wires is checked by means of a simple hole template, and the appliance adjusted if necessary.

Both appliances are supplied in two operating widths:

- standard, for module up to 50 mm (1.95")
- super, for module up to 140 mm (5.46")

The bending units may be reinforced, to accommodate thicker wires (\varnothing greater than 0.8 mm (.03"). Please enquire about this.

The appliances are operated pneumatically, by means of a foot pedal.