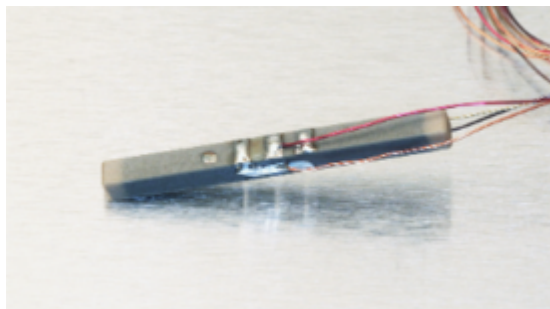


NAC2910



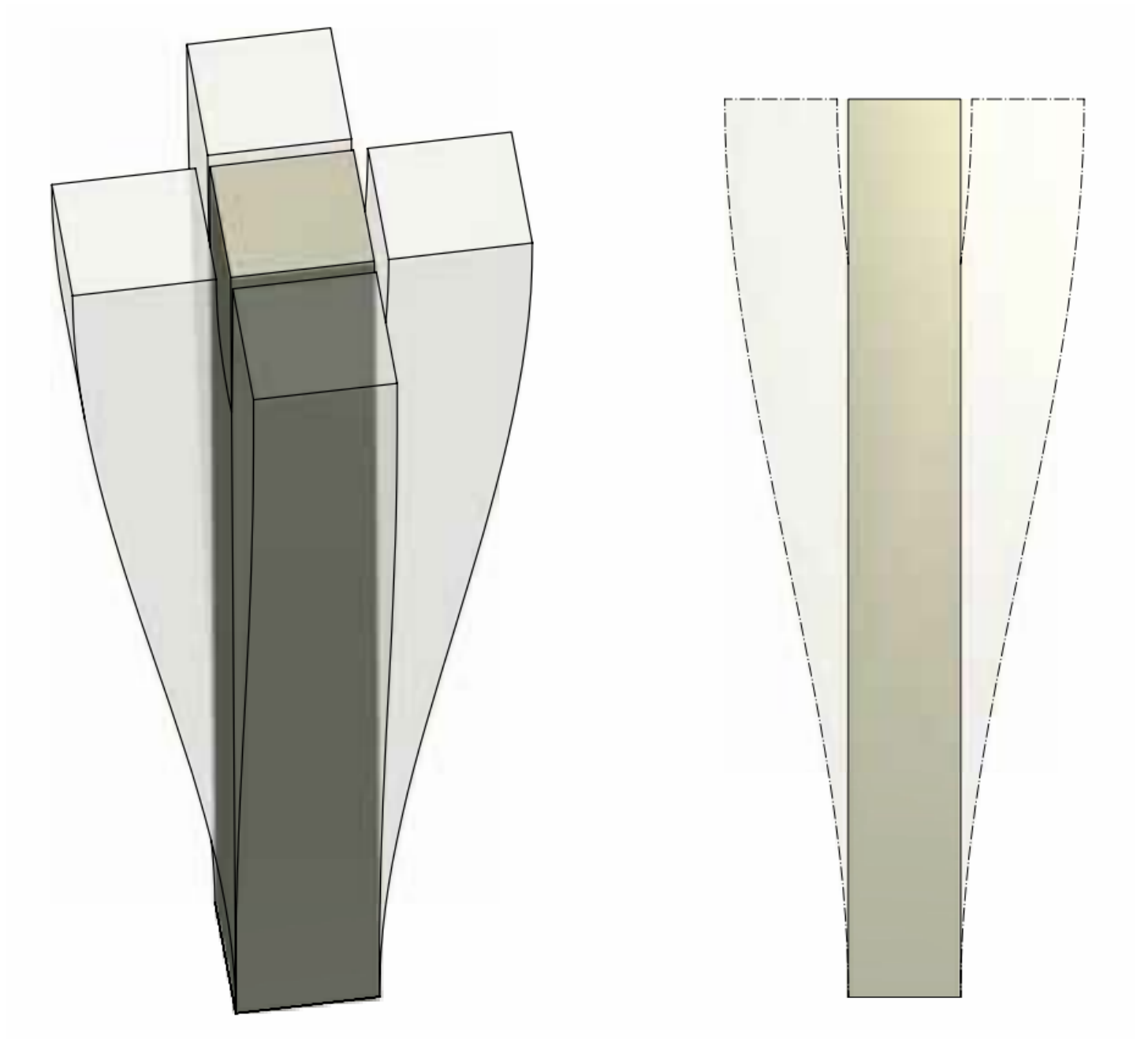
The NAC2910 offers double s-movement and is available as a prototype. Note that the NAC2910 moves with a parallel level at the top. The bender measures 28x2.5x2.5 mm and provides a stroke of +/- 35 µm and a blocking force of 3.8 N.

SPECIFICATIONS

Attributes	Value	Tolerance
Length / outer diameter	28 mm	+/-0.60 mm
Width / inner diameter	2.5 mm	+/-0.10 mm
Height	2.5 mm	+/-0.10 mm
Operating voltage, max.	200 V	
Free stroke, max.	± 35 µm	+/- 15%
Blocking force, max.	3.8 N	+/-20%
Capacitance	4 x 100 nF	+/- 15%
Maximum operating temperature	150 °C	
Material	NCE51	
Unloaded resonance frequency	>2200 Hz	
Electrodes	-	
Remarks	-	

DRAWINGS

Displacement principle of NAC2910



MOUNT AND CONNECT

Mount and connect

The NAC2910 is built like two plate benders put together, with the red wires and the black wires connected together.

Operation

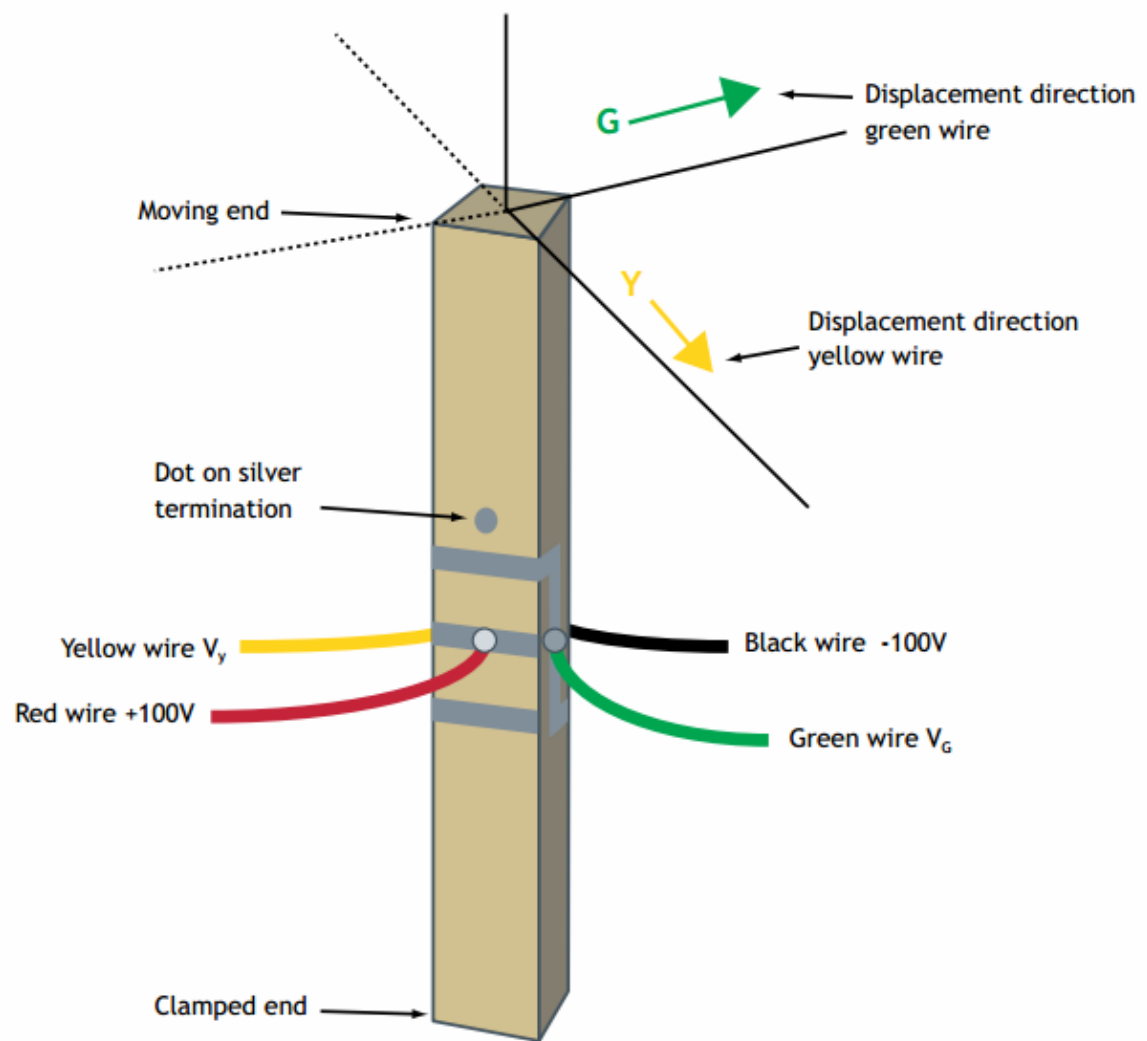
The usual way of operating is to supply two constant voltages (bias voltages) to the following two input cables:

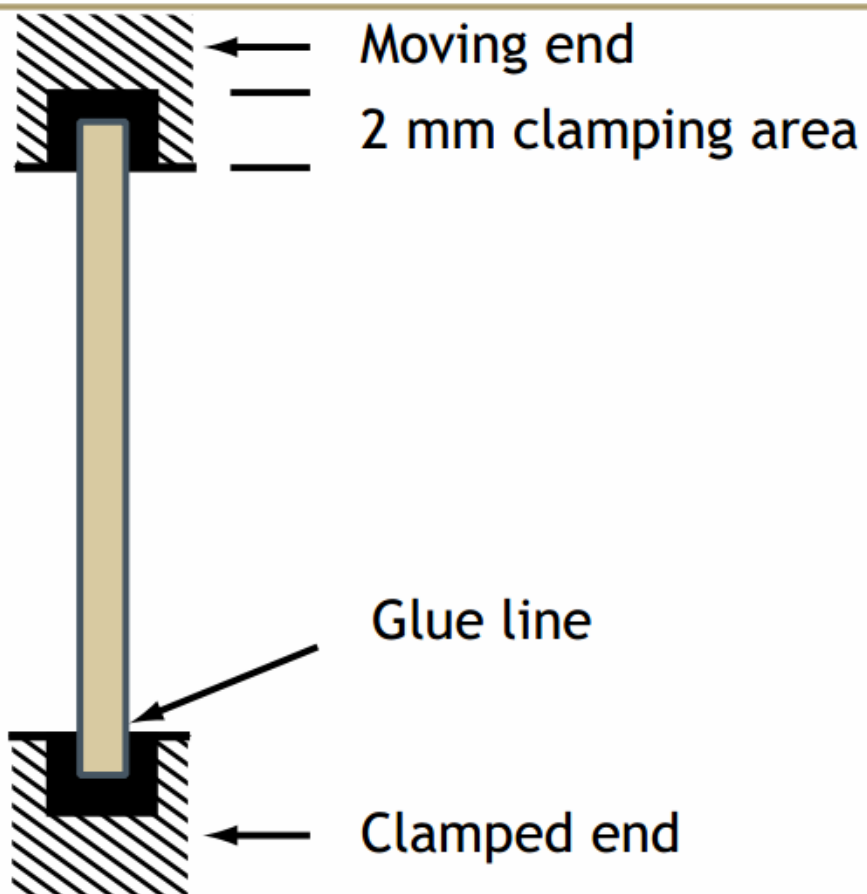
- V_+ (black) = +100V
- V_- (black) = -100V

The two other inputs (V_y and V_g) control the position in each direction and can be driven from -100V to +100V:

- When $0 < V_y < +100$ V, the actuator bends in direction "Y" in the positive direction.
- When $-100 < V_y < 0$ V, the actuator bends in direction "Y" with the negative direction.

The same logic applies for the other voltage, V_g , which controls bending on the "G" direction.





WIRES

NAC2810 and NAC2910 are delivered in the following configuration

NAC2810	3xRRW-A-105 200 mm
NAC2910	4xRRW-A-105 200 mm

Please contact us for other wiring options