

ONE OF THE MAJOR DESIGN INNOVATIONS BY CORTEC: SOFT CUFF ELECTRODES WITH FLEXIBLE CONTACTS FOR RECORDING FROM AND STIMULATION OF PERIPHERAL NERVES. OUR SLING CUFF IS THE IDEAL SOLUTION FOR SMALLEST DIAMETERS. PLEASE CONTACT US WITH YOUR DESIGN REQUEST!

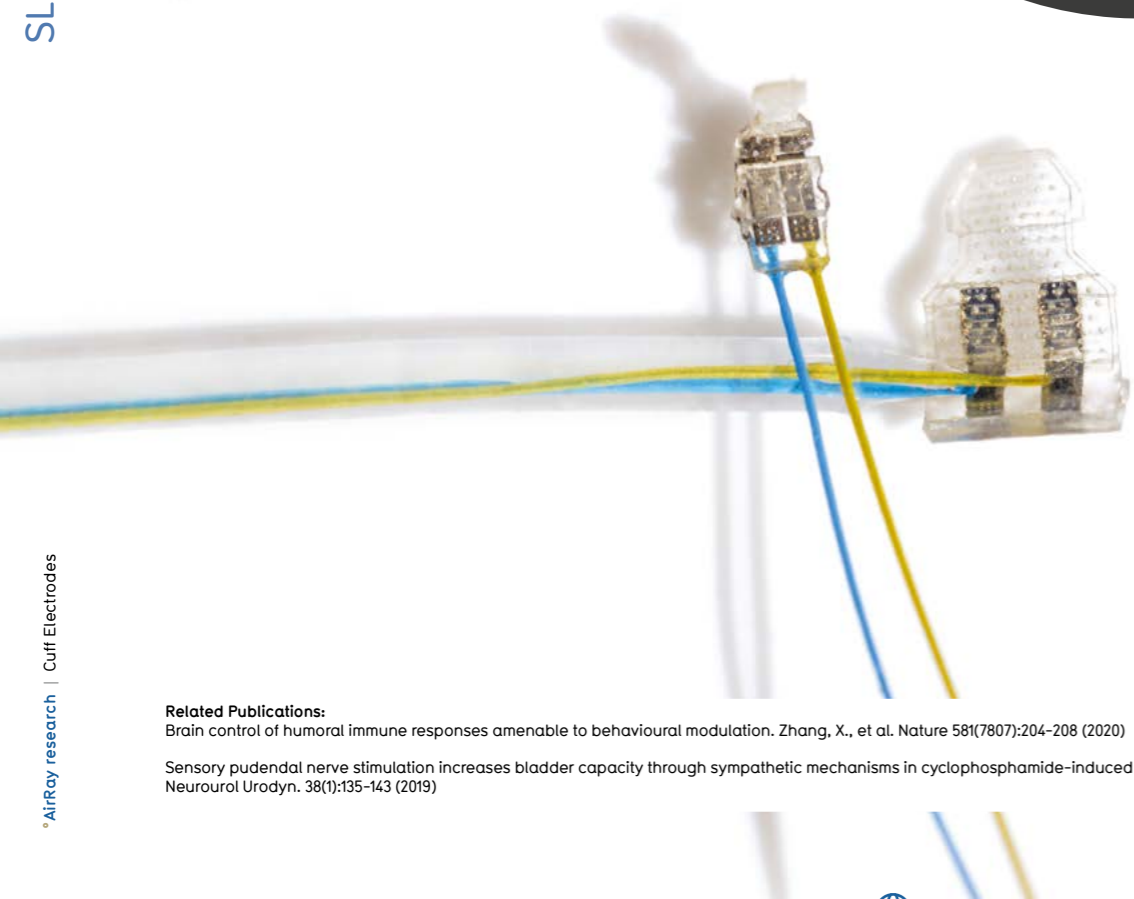
CorTec's Sling Cuff electrode can interface nerves down to a diameter of 100 µm.

The nerve is positioned in the center of the electrode surface. The cuff is closed by pulling the Sling tip through the bridge where it locks. The inside of the electrode forms a tube that holds the nerve in place.

This buckle-and-belt mechanism allows the electrode to be re-opened and removed without affecting its functionality.

Please contact us for custom design solutions.

SLING CUFF

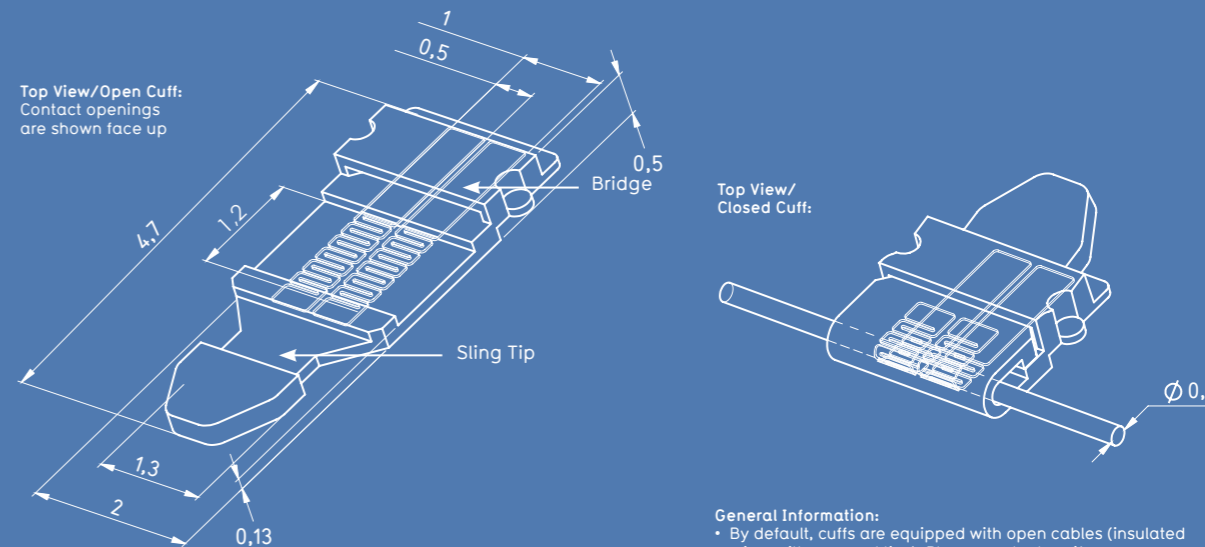


**Related Publications:**

Brain control of humoral immune responses amenable to behavioural modulation. Zhang, X., et al. Nature 581(7807):204-208 (2020)

Sensory pudendal nerve stimulation increases bladder capacity through sympathetic mechanisms in cyclophosphamide-induced cystitis rats. Gonzalez, E., et al.; NeuroUrol Urodyn. 38(1):135-143 (2019)

Example of a bi-polar Micro Cuff Sling with a diameter of 300 µm and a cuff length of 2 mm:



- General Information:**
- By default, cuffs are equipped with open cables (insulated wires with exposed tips). Please contact us, if you are interested in any other connectivity.
  - Learn more about our technological competences on page 29 and page 34.
  - For more information about connection options and materials see pages 31ff.

Typical configurations of Sling Cuffs range with the following parameters:

	INNER DIAMETER	CABLE ENTRY lateral, top			INNER DIAMETER	CABLE ENTRY lateral, top	
		LENGTH 2.0	LENGTH 2.5			LENGTH 2.0	LENGTH 2.5
Bi-polar	0.1	x	x	Tri-polar	0.1	x	x
	0.2	x	x		0.2	x	x
	0.3	x	x		0.3	x	x

Please contact us to receive our Order Form!

Copyright on all information and drawings is held by CorTec GmbH | Drawings represent abstractions of the product and are not necessarily to scale | All dimensions in mm | For pricing please request a quotation.

SLING CUFF

AirRay research | Cuff Electrodes