

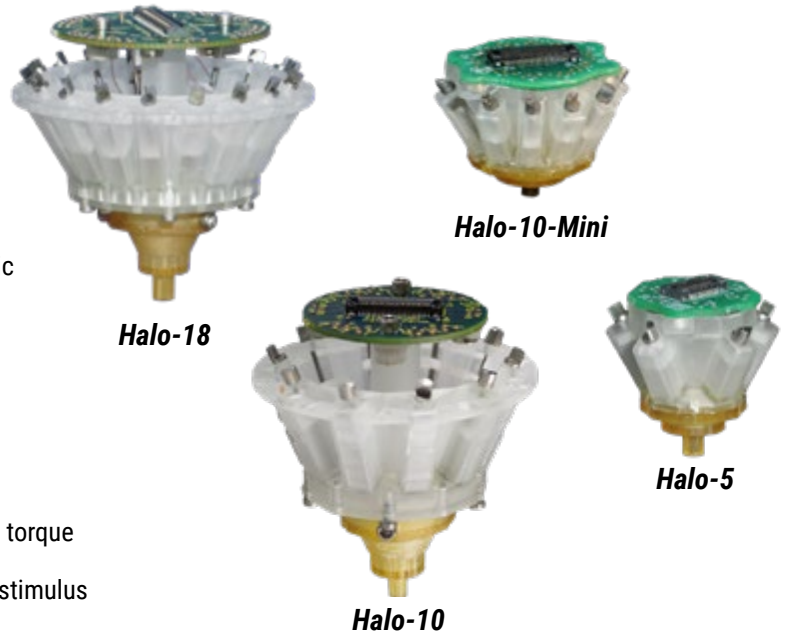
## Halo Microdrives

less expensive and easier to build

Halo Microdrives provide independently drivable shuttles to position tetrodes with 6mm (Halo-5/10-Mini) or 11mm (Halo-10/18) shuttle travel. Additional independent shuttles included for fiber optic integration or reference electrodes.


Our custom “half moon” drive screw head and calibrated Turn Tool allows for accurate 16 micron depth adjustment.

- Standard and customizable Exit Tip patterns
- Lightweight, solid and durable with short profile reducing head torque
- Compatible with Fiber Mounted LEDs (FLEDs) for optogenetic stimulus
- Compatible with FreeLynx wireless acquisition

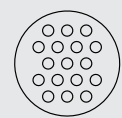


| Microdrive          | Reusable | # tetrode shuttles | # addl. shuttles | Mass <sup>1</sup> | Compatibility                                  |                  |                       | Subject Application |
|---------------------|----------|--------------------|------------------|-------------------|--|------------------|-----------------------|---------------------|
|                     |          |                    |                  |                   | EIB options                                    | FLEDs            | Wireless <sup>2</sup> |                     |
| <b>Halo-5</b>       | no       | 4                  | 1                | 1.8 grams         | QuickClip, Omnetics or Mill-Max (EIB included) | yes <sup>3</sup> | yes                   | mice                |
| <b>Halo-10-Mini</b> | no       | 8                  | 2                | 3.2 grams         | QuickClip or Omnetics (EIB included)           | yes              | yes                   | mice                |
| <b>Halo-10</b>      | up to 3  | 8                  | 2                | 6.0 grams         | QuickClip or Omnetics (EIBs sold separately)   | yes              | yes                   | rats                |
| <b>Halo-18</b>      | up to 3  | 16                 | 2                | 9.6 grams         | QuickClip or Omnetics (EIBs sold separately)   | yes              | yes                   | rats                |

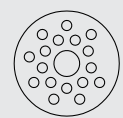
<sup>1</sup> Mass includes assembled QuickClip® EIB. <sup>2</sup> Wireless compatibility requires QuickClip EIB option. <sup>3</sup> FLEDs are not compatible with Mill-Max EIB option.




Halo-10 Exit Tip (photo)





Halo-18 Exit Tip (diagram)



Halo-18 Exit Tip with Fiber (diagram)



2 chimney Halo-18 Exit Tip (diagram)

### Standard & Customizable Exit Tip Patterns

- smaller craniotomies
- groups of closely-spaced tetrodes
- 4.5mm hole depth to aid vertical electrode travel and tetrode wire protection - allows tetrode wires to protrude 3mm out of the polymicro tubing, and reduces tissue damage near targeted recording sites

Contact sales@neuralynx.com for Exit Tip Design Guides and Exit Tip Configuration Guides to determine which Exit Tip pattern best meets your needs.