

# 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

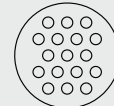


Microdrive	Reusable	# tetrode shuttles	# addl. shuttles	Mass <sup>1</sup>	Compatibility			Subject Application
					EIB options	FLEDs	Wireless <sup>2</sup>	
<b>Halo-5</b>	no	4	1	1.8 grams	QuickClip, Omnetics or Mill-Max (EIB included)	yes <sup>3</sup>	yes	mice
<b>Halo-10-Mini</b>	no	8	2	3.2 grams	QuickClip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

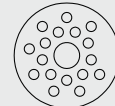
<sup>1</sup> Mass includes assembled QuickClip® EIB. <sup>2</sup> Wireless compatibility requires QuickClip EIB option. <sup>3</sup> FLEDs are not compatible with Mill-Max EIB option.



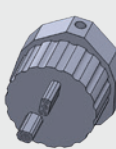
Halo-10 Exit Tip (photo)



Halo-18 Exit Tip (diagram)



Halo-18 Exit Tip with Fiber (diagram)



2 chimney Halo-18 Exit Tip (diagrams)

### 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](mailto:sales@neuralynx.com) for Exit Tip Design Guides and Exit Tip Configuration Guides to determine which Exit Tip pattern best meets your needs.

QuickClip is a registered trademark of Neuralynx, Inc. Patent # US 9,325,107 B2

[quotes-research@neuralynx.com](mailto:quotes-research@neuralynx.com) / [orders-research@neuralynx.com](mailto:orders-research@neuralynx.com)

Ask about our **System Maintenance Plan**.

[neuralynx.com](http://neuralynx.com)