

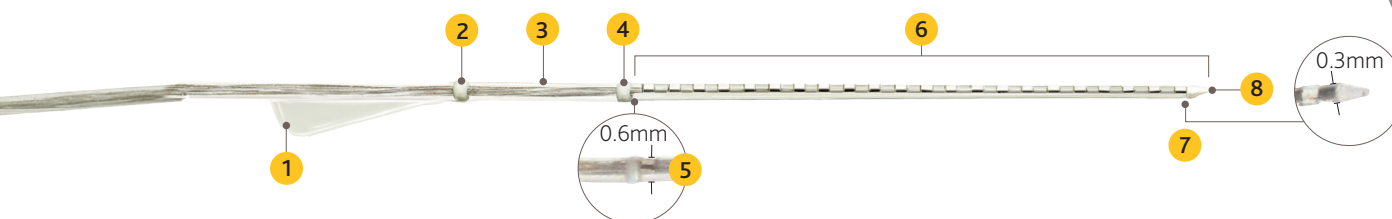
SLIM STRAIGHT IS THE INDUSTRY'S THINNEST FULL LENGTH ELECTRODE



- Patented tapered basal stiffener for a smooth, single motion insertion
- Softip™ and half-banded contacts
- Suited for round window and cochleostomy insertions
- Insertion depth indicators for precise electrode positioning

Scan QR Code with your smart phone to see insertion video

SLIM STRAIGHT ELECTRODE ARRAY IN DETAIL



UP TO
40%
THINNER†

- | | |
|---|--|
| <p>1 Surgical handle located opposite of the electrode contacts to assist with electrode orientation and atraumatic insertion</p> <p>2 White marker at 25mm indicates maximum insertion depth</p> <p>3 Tapered basal stiffener designed for smooth, single motion insertion and minimization of buckling</p> <p>4 White marker at 20mm indicates end of the active portion of the electrode array</p> | <p>5 Basal diameter 0.6mm</p> <p>6 22 medial facing, half-banded platinum electrode contacts, positioned over 20mm</p> <p>7 Apical diameter 0.3mm</p> <p>8 Softip for minimal insertion trauma</p> |
|---|--|

SURGICAL RECOMMENDATIONS*

- Insertion Instrument: AOS Forceps (*Item# Z60770*)
- Requires Freedom® Surgical Kit (*Item# Z60523*)
- Open the facial recess and drill away round window overhang to visualize the true round window membrane
- Surgical Handle should face and maintain orientation opposite to the modiolus while inserting the electrode to ensure contacts are oriented correctly
- Use white markers on Slim array to assist in achieving a suitable insertion depth
- Stabilize the lead to prevent movement of the electrode array in the cochlea

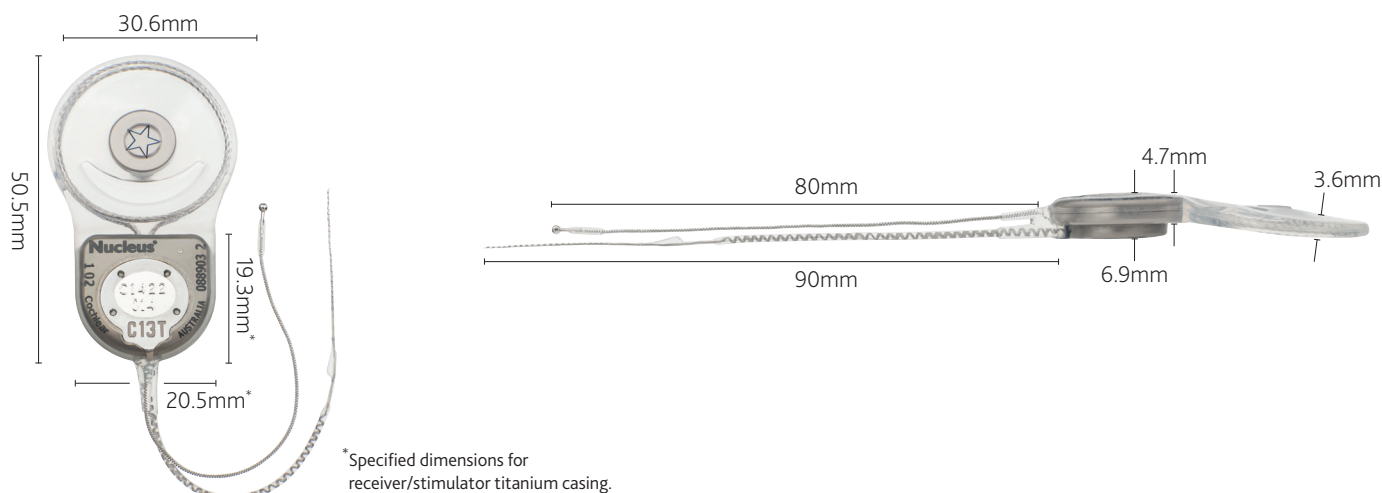


Item# Z190574

†40% thinner than other implant manufacturers electrodes, measurements according to manufacturers' electrode specifications

*Please refer to the CI422 Surgeons Guide

IMPLANT DIMENSIONS



ELECTRODE ARRAY

Contacts

- 22 medial facing, half-banded platinum electrode contacts, positioned over 20mm
- Two extracochlear electrodes: one platinum plate attached to the receiver/stimulator package, and a separate 1.5mm diameter ball electrode on an 80mm lead

RECEIVER/STIMULATOR

General features

- Weight – 9.5g
- Titanium casing for high impact resistance

MRI

- MRI safe at 1.5 Tesla with magnet removed (*for further details refer to the current CI24RE Surgeon's Guide*)¹
- Sterile replacement implant magnet (*Item# Z50101*) star should face skin side

MICROELECTRONIC PLATFORM

General features

- Power efficient, custom design
- Stimulus amplitude range: 0µA to 1.75mA
- Stimulation rates up to 31.5kHz
- Pulse width: 9.6µs to 400µs per phase
- Implant ID to uniquely identify implants

Stimulation modes

- Monopolar, bipolar mode and common ground stimulation, biphasic current pulses

Telemetry capability

- Ultra-low-noise floor (~1µV) – enabling advanced AutoNRT™ telemetry capabilities
- Includes fully integrated telemetry modes – NRT, AutoNRT and intraoperative NRT
- Supports electrophysiology – ESRT, ABR and CEP

¹ MRI field strength approval varies by country, check your warnings and precautions document. Magnet must be removed before all MRI procedures in the USA. Specifications are nominal and accurate at the time of printing, subject to change without notification.

Not all patients with hearing loss are candidates for cochlear implantation. Cochlear implantation is a surgical procedure, and carries with it the risks typical for surgery. For complete information regarding indications, warnings and adverse effects, please refer to the Nucleus Package Insert available at www.Cochlear.com/US/NucleusIndications

www.Cochlear.com/US

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