MED-EL CONCERT
World's Smallest and Lightest Titanium Implant
Key Features

25% thinner than the SONATA titanium implant with the same footprint.

Further reduced weight, now 7.6 g.

Designed for minimally invasive surgical techniques.

The optimal choice for surgeries performed on young children.

Largest variety of electrode arrays for every cochlear anatomy. Featuring wave-shaped wire design, MED-EL electrodes are the softest and most flexible for atraumatic insertion.

Integrated reference electrodes for reduced risk and shorter surgery time – no need for surgical placement of a reference electrode.

Featuring sophisticated l100 electronics platform that supports both FineHearing and Complete Cochlear Coverage, two technologies which help users to enjoy greater sound clarity and detail.
The MED-EL CONCERT is part of the MAESTRO Cochlear Implant System featuring:
- MED-EL CONCERT Cochlear Implant, the world’s smallest titanium CI
- the largest variety of electrode arrays for every cochlear anatomy
- MAESTRO System Software 4.0 for flexible and efficient fitting

# Electrode Arrays

### Standard
- 12 stimulation channels
- 24 electrode contacts
- Contact spacing: 2.4 mm
- Contact extent: 26.4 mm

### Medium
- 12 stimulation channels
- 24 electrode contacts
- Contact spacing: 1.9 mm
- Contact extent: 20.9 mm

### Compressed
- 12 stimulation channels
- 24 electrode contacts
- Contact spacing: 1.1 mm
- Contact extent: 12.1 mm
Technical Data

MED-EL CONCERT Cochlear Implant for the MAESTRO™ CI System

Stimulation Features
- Maximum pulse rate: 50,704 pulses per second
- Pulse width per phase: 2.08–425.0 μs/ph
- Time resolution (nominal values): 1.67 μs
- Overall amplitude range: 0–1200 cu*

Comprehensive Diagnostic Toolkit
- Status Telemetry
- Impedance and Field Telemetry (IFT)
- Auditory Nerve Response Telemetry (ART™)
- Electrically Evoked Stapedius Reflex Threshold (ESRT)

Safety Features
- Output Capacitors for Each Channel
- Unique Implant ID (IRIS)

Housing Design
- Length: 45.7 mm
- Length at stimulator: 17.3 mm
- Width at stimulator: 25.4 mm
- Width at coil: 29.0 mm
- Thickness at stimulator: 4.5 mm
- Thickness at coil: 3.3 mm
- Weight: 7.6 g

www.medel.com

* typical value
** with Standard Electrode Array