

# PRODUCT SPECIFICATION

## SOPHONO®

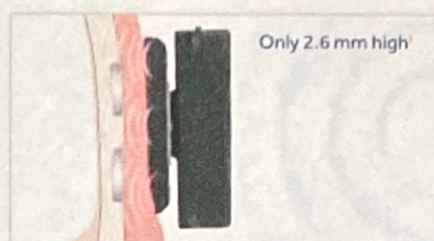
### MAGNETIC IMPLANT

#### Abutment-Free Bone Conduction with the Smallest Magnetic Implant<sup>2</sup>

No other implant system – abutment or magnetic, offers the low profile and stability of the Sophono device.

#### Compared with other transcutaneous hearing systems:

- Sophono boasts the smallest implant on the market (2.6 mm high).
- The implant is secure to the bone with 5 screws making it less likely to break, come loose or fall out during an impact.
- Our low profile implant follows the contour of the skull, ensuring a snug fit against the bone, resulting in a safer bone conduction implant.
- MRI compatible up to 3 Tesla and the smallest transcutaneous MRI shadow.<sup>1</sup>



Feature Details	Samarium Cobalt magnets sealed in titanium
Dimensions	39 mm L x 16 mm W x 2.6 mm H x 10 mm D
Weight	3.5 grams <sup>1</sup>
Abutment-Free	Yes, Implant technique under the skin
Low Profile	Yes, 2.6 mm height <sup>1</sup>
MRI Shadow	5 cm, Smallest MRI shadow <sup>1</sup>
MRI Conditional	Yes, static magnetic field of 3 Tesla or less <sup>14</sup>
MRI Gradient Field	Yes, spatial gradient field 720 Gauss/cm or less
Implant Kit	Sterile double blistered package containing implant, implant template, surgical template
Standard Mastoidectomy tools	Yes, no special tools required
Surgical Steps	Seven
Implant frame	Biocompatible titanium case
Configuration	Follows the contour of the skull
Warranty	2 years (industry standard)

Dutton R, Siegent R, M.D. Semi-implantable transcutaneous bone conduction hearing device with fitting on the day of surgery. Presented at the 29th Politzer Society Meeting Antalya, Turkey, Nov 2013.

Interim First Report: Evaluations of Magnetic Field Interactions, Hearing and Artifacts for the Alpha-1(M) Magnetic Implant. Frank G. Shellock, Ph.D., FACR, FISMRI, August 10, 2012.

Azadarmaki R, Tubbs R, Chen DA, Shellock FG. MRI information of commonly used otologic implants: Review and update. Otolaryngology Head and Neck Surgery 2014; Vol. 150(4):532-539.

Siegent R and Konderoski J. A new semi-implantable transcutaneous bone conduction device: clinical, surgical and Audiological outcomes in patients with congenital ear canal atresia. Otolaryngology & Neurology 2015; 34:927-934.



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Rx only. Refer to product instruction manual/package insert for instructions, warnings, precautions, and contraindications.  
For further information, please call Medtronic ENT at 800.874.5797 and/or consult Medtronic's website at [www.sophono.com](http://www.sophono.com)

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