

Porous AUDIOLITE® Partial Prosthesis

CODE
PAP 07.50

Audiolite®: Bioactive calcium hydroxylapatite ceramic

The Audiolite porosity allows two contemporary fixation processes:

- physical link from the hammer by osteoconduction or from the neotympanum by the pores inlet into the connective tissue
- chemical link: by hydroxylapatite bioactivity.

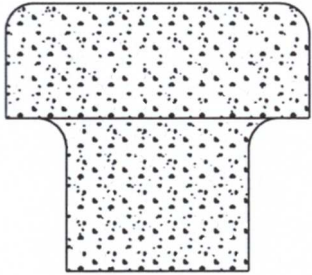
Porosity allows a 50% weight saving. The hollow columella allows the surgeon to see the head of the stapes during insertion. After measuring (Microsurgical Measuring Device: Catalog Number 02.14), the length can be reduced using a diamond bur under continuous irrigation or using a diamond file.

Dimensions

Total length: 4.0 mm
Flange diameter: 4.0 mm
Columella external diameter: 2.1 mm
Columella inner diameter: 1.2 mm

Packaging

Dispenser box containing 6 sterile, individually packaged implants.

	Total length mm	Code
	4.00	PAP 07.50

Porous AUDIOLITE®, Audio-PE® and PTFE Universal Adjustable Prosthesis

CODE
TPL 07.51

Audiolite®: Bioactive calcium hydroxylapatite ceramic
PE: High molecular weight porous polyethylene
PTFE: Polytetrafluorethylene

PATENTED

This prosthesis consists of:

- Flange made of porous Audiolite®. The Audiolite® bonds with the connective tissue (tympanum or malleus handle). Porous Audiolite® - an Audio patent - bonds also because the connective tissue penetrates into the pores. Porous Audiolite® weights 50% less than dense Audiolite®.
- Columella for stapes made of PE. PE is a spongy material, hence is ideal to come softly into contact with the delicate crura of the stapes. PE minimises the risks of necrosis due to the contact with the stapes.

- Columella for the footplate made of PTFE. PTFE is a fairly rigid nonadherent material. It minimises the risks of adhesion to the rims of the oval window.
- Conventional platinum joint - an Audio patent - to register the complanarity between the neotympanum and the flange.

Both the partial and total prosthesis can be trimmed.
When using the total prosthesis, the PE columella must be cut at sulcus level.
The prosthesis can be further trimmed by cutting the PTFE end.

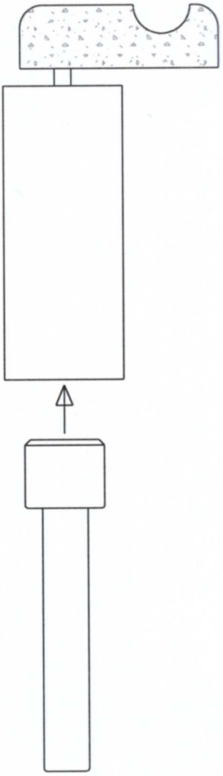
Dimensions

Partial: total length 6.5 mm
trimmable to 3.5 mm
Columella external diameter: 2.1 mm
Columella inner diameter: 1.4 mm
Total: total length 10.5 mm
trimmable to 6.0 mm
Columella diameter: 0.8 mm
Flange diameter: 3.5 mm
Platinum diameter: 0.2 mm

Packaging

Dispenser box containing 6 sterile, individually packaged implants.

*length of PTFE columella: 6.50 mm

	Total length mm	Code
6.50 mm (partial prosthesis)	TPL 07.51	
10.50 mm* (total prosthesis)		