



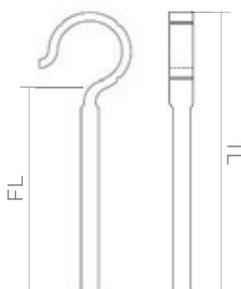
audio<sup>®</sup>  
TECHNOLOGIES



## PLATINUM PROSTHESIS FOR STAPEDECTOMY

Entirely in 999‰ pure platinum (malleable and well tolerated material).

The hook has three millings: under slight clamp pressure the millings allow the curvature and closure of the hook in a controlled manner by winding the long apophysis of the incus without causing ischemia and risk of abnormal crimping.



**CODE**  
**SPL 03.05**

### SPL 03.05

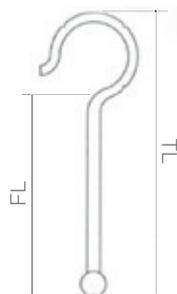
Total length (L)	Product code
<b>6,00 mm</b>	SPL 03.05

**DIMENSIONS:**  
Columella ø: 0,3 mm

## PLATINUM PROSTHESIS FOR STAPEDECTOMY

Entirely in 999‰ pure platinum (malleable and well tolerated material).

The spherical end part allows for a gentle contact and support between the implant and the new membrane of the oval window.



**CODE**  
**SPL 03.13**

### SPL 03.13

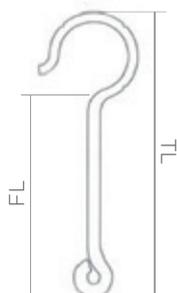
Total length (L)	Product code
<b>4,00 mm</b>	SPL 03.13.400
<b>4,50 mm</b>	SPL 03.13.450
<b>5,00 mm</b>	SPL 03.13.500

**DIMENSIONS:**  
Sphere diameter: 0,4 mm

## PLATINUM PROSTHESIS FOR STAPEDECTOMY

Entirely in 999‰ pure platinum (malleable and well tolerated material).

The end part of the implant is folded back to form an elbow to allow anchoring to the new oval window membrane.



**CODE**  
**SPL 03.15**

### SPL 03.15

Total length (L)	Product code
<b>4,00 mm</b>	SPL 03.15.400
<b>4,50 mm</b>	SPL 03.15.450
<b>5,00 mm</b>	SPL 03.15.500

**DIMENSIONS:**  
End part diameter: 0,4 mm



## KEYS

<b>HA</b>	Hydroxyapatite
<b>HAP</b>	Porous Hydroxyapatite
<b>PE</b>	Polyethylene
<b>Ti</b>	Titanium
<b>Niti</b>	Super-elastic Nitinol
<b>PTFE</b>	Teflon
<b>Pt</b>	Platinum

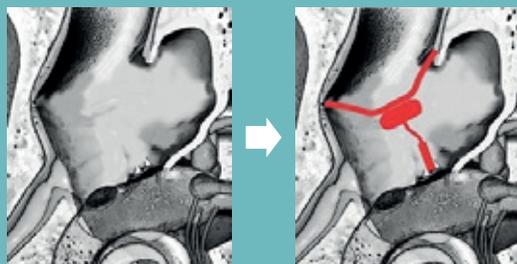
### TOTAL, PARTIAL AND UNIVERSAL IMPLANTS

# TYMPANOPLASTY

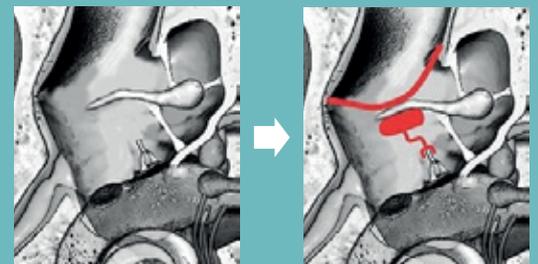
Audio Technologies is the manufacturer that offers, for designs and materials, the widest catalogue of middle ear implants available on the market.

Among many models, Audio Technologies boasts several patents:

- Implants with Porous Hydroxyapatite flange which doesn't need the interposition of a layer of cartilage
- Extensible stem to adjust the length
- Shoe with footplate highly-stable connection system



TOTAL PROSTHESIS



PARTIAL PROSTHESIS

### 3 p.d. atitikimas: "TORP tipo (visos klausos kauliukų grandinės)"

#### COMPLETE PROSTHESIS IN TITANIUM, ADJUSTABLE LENGTH

##### WINDOWED FLANGE

It allows the view of the underneath surgical field.

##### TITANIUM STRUCTURE

Titanium is a widely tested material in the surgical field, endowed with high mechanical resistance and lightness.

##### ADJUSTABLE LENGTH

The extendable stem allows to extend or compress the length of the implant.

##### GOOD SOUND CONDUCTIVITY

The oscillometric test with laser/doppler demonstrates the unchanged conductivity of the sound wave in all stem configurations.

3 p.d. atitikimas: "Protezo kojytės skersmuo yra 0,2 mm."

3 p.d. atitikimas: "Kojytės gale yra 0,6 mm diametro cilindrinė mova."



CODE  
TAP 07.63

#### TAP 07.63

Total length (L)	Product code
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from 3,00 mm to 8,00 mm	TAP 07.63
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3 p.d. atitikimas: "Bendras protezo ilgis yra nuo 3,0 mm iki 8,0 mm (žingsnis – kas 0,25 mm) ir keičiamo ilgio protezas."

Wire ø: 0,20 mm

Columella ø: 0,60 mm

For implants with flange in titanium, the interposition of a layer of autologous cartilage between implants and neotympanum is necessary.

#### PARTIAL PROSTHESIS IN TITANIUM, ADJUSTABLE LENGTH

##### WINDOWED FLANGE

It allows the view of the underneath surgical field.

##### TITANIUM STRUCTURE

Titanium is a widely tested material in the surgical field, endowed with high mechanical resistance and lightness.

##### ADJUSTABLE LENGTH

The extendable stem allows to extend or compress the length of the implant.

##### GOOD SOUND CONDUCTIVITY

The oscillometric test with laser/doppler demonstrates the unchanged conductivity of the sound wave in all stem configurations.



CODE  
PAP 07.64

#### PAP 07.64

Total length (L)	Product code
------------------	--------------

from 2,25 mm to 5,50 mm	PAP 07.64
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##### DIMENSIONS:

Wire ø: 0,20 mm

Inner diameter of the cup: 1,10 mm

Outer diameter of the cup: 1,20 mm

For implants with flange in titanium, the interposition of a layer of autologous cartilage between implants and neotympanum is necessary.

4 p.d. atitikimas: "TORP tipo (visos klausos kauliukų grandinės)"

COMPLETE PROSTHESIS IN **TITANIUM**  
WITH FLANGE IN **HAP**, ADJUSTABLE LENGTH

#### FLANGE IN HAP

The flange in porous hydroxyapatite, as proven by clinical studies and follow-ups, can keep in contact directly with the tympanic membrane without being extruded.

#### FIXATION TO EARDRUM

The fixation of the implant to eardrum, inducted by porosity, takes place thanks to a double mechanism: a physical and chemical bond by input of fibroblasts in the pores and the bioactivity of hydroxylapatite.

#### TITANIUM STRUCTURE

Titanium is a widely tested material in the surgical field, endowed with high mechanical resistance and lightness.

#### EXTENDABLE STEM

Extendable by traction and shortenable by compression.

#### GOOD SOUND CONDUCTIVITY

The oscillometric test with laser/doppler demonstrates the unchanged conductivity of the sound wave in all stem configurations.

4 p.d. atitikimas: "Yra skirtingo ilgio protezų pasirinkimo galimybė (žingsnis – kas 0,25 mm) ir keičiamo ilgio protezas."

CODE  
**TAP 07.67**

#### TAP 07.67

Total length (L)	Product code
from 4,00 mm to 8,00 mm	TAP 07.67

4 p.d. atitikimas: "Bendras ilgis turi būti nuo 4,0 mm iki 8,0 mm ± 1 mm."



#### DIMENSIONS:

Wire ø: 0,20 mm

Columella ø: 0,60 mm

A small groove is made for the manubrium of malleus which if missing, the flange of the implant can be put directly in contact with the tympanic membrane: the rounded edges of the groove do not cause decubitus.

4 p.d. atitikimas: "Galvutė su įduba, pritaikyta kontaktui su plaktuko rankena"

5 p.d. atitikimas: "PORP tipo (dalies klausos kauliukų grandinės)"

5 p.d. atitikimas: "Pagaminti iš titano ir hidroksilapatito."

PARTIAL PROSTHESIS IN **TITANIUM**  
WITH FLANGE IN **HAP**, ADJUSTABLE LENGTH

#### FLANGE IN HAP

The flange in porous hydroxyapatite, as proven by clinical studies and follow-ups, can keep in contact directly with the tympanic membrane without being extruded.

#### FIXATION TO EARDRUM

The fixation of the implant to eardrum, inducted by porosity, takes place thanks to a double mechanism: a physical and chemical bond by input of fibroblasts in the pores and the bioactivity of hydroxylapatite.

#### TITANIUM STRUCTURE

Titanium is a widely tested material in the surgical field, endowed with high mechanical resistance and lightness.

#### EXTENDABLE STEM

Extendable by traction and shortenable by compression.

#### GOOD SOUND CONDUCTIVITY

The oscillometric test with laser/doppler demonstrates the unchanged conductivity of the sound wave in all stem configurations.

CODE  
**PAP 07.68**

#### PAP 07.68

Total length (L)	Product code
from 2,50 mm to 6,00 mm	PAP 07.68

5 p.d. atitikimas: "skeičiamo ilgio protezas."



#### DIMENSIONS:

Wire ø: 0,20 mm

Inner diameter of the cup: 1,10 mm

Outer diameter of the cup: 1,20 mm

5 p.d. atitikimas: "Galvutė su įduba, pritaikyta kontaktui su plaktuko rankena."

A small groove is made for the manubrium of malleus which if missing, the flange of the implant can be put directly in contact with the tympanic membrane: the rounded edges of the groove do not cause decubitus.

### 3 p.d. atitikimas: "TORP tipo (visos klausos kauliukų grandinės)"

#### COMPLETE PROSTHESIS IN **TITANIUM** WITH FIXED-LENGTHS

**CODE**  
**TAP 07.61**

Fixed-length implant: from 3,00 up to 8,00 mm.

#### OPEN FLANGE

It allows to maintain the view of the field under the head of the implant.

#### TITANIUM STRUCTURE

Titanium is a widely tested material in the surgical field, endowed with high mechanical resistance and lightness.



#### TAP 07.61

Total length (L)	Product code
3,00 mm	TAP 07.61.300
3,25 mm	TAP 07.61.325
3,50 mm	TAP 07.61.350
3,75 mm	TAP 07.61.375
4,00 mm	TAP 07.61.400
4,25 mm	TAP 07.61.425
4,50 mm	TAP 07.61.450
4,75 mm	TAP 07.61.475
5,00 mm	TAP 07.61.500
5,25 mm	TAP 07.61.525
5,50 mm	TAP 07.61.550
6,00 mm	TAP 07.61.600
6,50 mm	TAP 07.61.650
7,00 mm	TAP 07.61.700
7,50 mm	TAP 07.61.750
8,00 mm	TAP 07.61.800

3 p.d. atitikimas: "Bendras protezo ilgis yra nuo 3,0 mm iki 8,0 mm (žingsnis – kas 0,25 mm) ir keičiamo ilgio protezas."

3 p.d. atitikimas: "Protezo kojytės skersmuo yra 0,2 mm."

#### DIMENSIONS:

Wire  $\varnothing$ : 0,20 mm

Columella  $\varnothing$ : 0,60 mm

3 p.d. atitikimas: "Kojytės gale yra 0,6 mm diametro cilindrinė mova."

*For implants with flange in titanium, the interposition of a layer of autologous cartilage between implants and neotympanum is necessary.*

#### PARTIAL PROSTHESIS IN **TITANIUM** WITH FIXED-LENGTHS

**CODE**  
**PAP 07.62**

Implant with fixed-length: from 1,75 mm up to 5,00 mm.

#### OPEN FLANGE

It allows to maintain the view of the field under the head of the implant.

#### TITANIUM STRUCTURE

Titanium is a bioinert and widely tested material in the surgical field, endowed with high mechanical resistance and lightness.



#### PAP 07.62

Total length (L)	Product code
1,75 mm	PAP 07.62.175
2,00 mm	PAP 07.62.200
2,25 mm	PAP 07.62.225
2,50 mm	PAP 07.62.250
2,75 mm	PAP 07.62.275
3,00 mm	PAP 07.62.300
3,25 mm	PAP 07.62.325
3,50 mm	PAP 07.62.350
4,00 mm	PAP 07.62.400
4,50 mm	PAP 07.62.450
5,00 mm	PAP 07.62.500

#### DIMENSIONS:

Wire  $\varnothing$ : 0,20 mm

Inner diameter of the cup: 1,10 mm

Outer diameter of the cup: 1,20 mm

*For implants with flange in titanium, the interposition of a layer of autologous cartilage between implants and neotympanum is necessary.*

# AUDIO TECHNOLOGIES

4 p.d. atitikimas: "TORP tipo (visos klausos kauliukų grandinės)"

COMPLETE PROSTHESIS IN **TITANIUM** AND FLANGE IN **HAP**

Implant with fixed-length: from 3,00 mm up to 8,00 mm.

## FLANGE IN HAP

The flange in porous hydroxyapatite (HAP), as proven by clinical studies and long follow-ups, can keep in contact directly with the tympanic membrane without being extruded.

## STABILIZATION OF THE IMPLANT

The fixation of the implant to eardrum, induced by porosity, takes place thanks to a double mechanism: a physical and chemical bond by input of fibroblasts in the pores and the bioactivity of hydroxyapatite.

## TITANIUM STRUCTURE

Titanium is a bioinert and widely tested material in the surgical field, endowed with high mechanical resistance and lightness.

4 p.d. atitikimas: "Galvutė su įduba, pritaikyta kontaktui su plaktuko rankena"

4 p.d. atitikimas: "Yra skirtingo ilgio protezų pasirinkimo galimybė (žingsnis – kas 0,25 mm) ir keičiamo ilgio protezas."

**CODE**  
**TAP 07.65**



## TAP 07.65

Total length (L)	Product code
3,00 mm	TAP 07.65.300
3,25 mm	TAP 07.65.325
3,50 mm	TAP 07.65.350
3,75 mm	TAP 07.65.375
4,00 mm	TAP 07.65.400
4,25 mm	TAP 07.65.425
4,50 mm	TAP 07.65.450
4,75 mm	TAP 07.65.475
5,00 mm	TAP 07.65.500
5,25 mm	TAP 07.65.525
5,50 mm	TAP 07.65.550
6,00 mm	TAP 07.65.600
6,50 mm	TAP 07.65.650
7,00 mm	TAP 07.65.700
7,50 mm	TAP 07.65.750
8,00 mm	TAP 07.65.800

4 p.d. atitikimas: "Bendras ilgis turi būti nuo 4,0 mm iki 8,0 mm ± 1 mm."

## DIMENSIONS:

Wire ø: 0,20 mm

Columella ø: 0,60 mm

A small groove is made for the manubrium of malleus which if missing, the flange of the implant can be put directly in contact with the tympanic membrane: the rounded edges of the groove do not cause decubitus.

5 p.d. atitikimas: "PORP tipo (dalies klausos kauliukų grandinės)"

5 p.d. atitikimas: "Pagaminti iš titano ir hidroksilapatito."

5 p.d. atitikimas: "Bendras ilgis turi būti nuo 2,0 mm iki 5,0 mm."

PARTIAL PROSTHESIS IN **TITANIUM** AND FLANGE IN **HAP**

**CODE**  
**PAP 07.66**

Implant with fixed-length: from 2,00 mm up to 5,00 mm.

## FLANGE IN HAP

The flange in porous hydroxyapatite (HAP), as proven by clinical studies and long follow-ups, can keep in contact directly with the tympanic membrane without being extruded.

## STABILIZATION OF THE IMPLANT

The fixation of the implant to eardrum, induced by porosity, takes place thanks to a double mechanism: a physical and chemical bond by input of fibroblasts in the pores and the bioactivity of hydroxyapatite.

## TITANIUM STRUCTURE

Titanium is a bioinert and widely tested material in the surgical field, endowed with high mechanical resistance and lightness.

5 p.d. atitikimas: "Skirtingo ilgio protezų pasirinkimo galimybė (žingsnis – kas 0,25 mm)"



## PAP 07.66

Total length (L)	Product code
2,00 mm	PAP 07.66.200
2,25 mm	PAP 07.66.225
2,50 mm	PAP 07.66.250
2,75 mm	PAP 07.66.275
3,00 mm	PAP 07.66.300
3,25 mm	PAP 07.66.325
3,50 mm	PAP 07.66.350
4,00 mm	PAP 07.66.400
4,50 mm	PAP 07.66.450
5,00 mm	PAP 07.66.500

## DIMENSIONS:

Wire ø: 0,20 mm

Inner diameter of the cup: 1,10 mm

Outer diameter of the cup: 1,20 mm

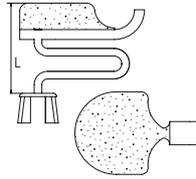
A small groove is made for the manubrium of malleus which if missing, the flange of the implant can be put directly in contact with the tympanic membrane: the rounded edges of the groove do not cause decubitus.

5 p.d. atitikimas: "Galvutė su įduba, pritaikyta kontaktui su plaktuko rankena."

**TITANIUM/HAP Adjustable Partial Prosthesis** **PATENTED** CODE PAP 07.72

Extensible stem  
Flange size: 3.50 x 2.50

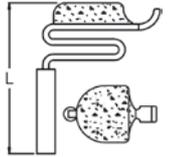
CODE	L (mm)
PAP 07.72	from 2.00 to 5.00



**TITANIUM/HAP Adjustable Total Prosthesis** **PATENTED** CODE TAP 07.58

Extensible stem  
Flange size: 3.50 x 2.50  
Columella  $\varnothing$ : 0.60

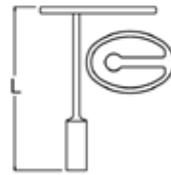
CODE	L (mm)
TAP 07.58	from 4.00 to 8.00



**TITANIUM Total Prosthesis** CODE TAP 07.61

Columella  $\varnothing$ : 0.60  
Flange size: 3.50 x 2.50  
3 p.d. atitikimas:"G alvutės skersmuo yra 2,5 mm x 3,5 mm."

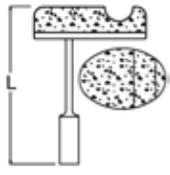
CODE	L (mm)	CODE	L (mm)
TAP 07.61.300	3.00	TAP 07.61.500	5.00
TAP 07.61.325	3.25	TAP 07.61.525	5.25
TAP 07.61.350	3.50	TAP 07.61.550	5.50
TAP 07.61.375	3.75	TAP 07.61.600	6.00
TAP 07.61.400	4.00	TAP 07.61.650	6.50
TAP 07.61.425	4.25	TAP 07.61.700	7.00
TAP 07.61.450	4.50	TAP 07.61.750	7.50
TAP 07.61.475	4.75	TAP 07.61.800	8.00



**TITANIUM/HAP Total Prosthesis** **PATENTED** CODE TAP 07.65

Columella  $\varnothing$ : 0.60

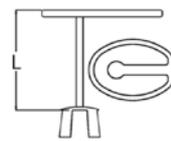
CODE	L (mm)	CODE	L (mm)
TAP 07.65.300	3.00	TAP 07.65.500	5.00
TAP 07.65.325	3.25	TAP 07.65.525	5.25
TAP 07.65.350	3.50	TAP 07.65.550	5.50
TAP 07.65.375	3.75	TAP 07.65.600	6.00
TAP 07.65.400	4.00	TAP 07.65.650	6.50
TAP 07.65.425	4.25	TAP 07.65.700	7.00
TAP 07.65.450	4.50	TAP 07.65.750	7.50
TAP 07.65.475	4.75	TAP 07.65.800	8.00



**TITANIUM Partial Prosthesis** CODE PAP 07.62

Columella outside  $\varnothing$ : 1.20  
Columella inside  $\varnothing$ : 1.10

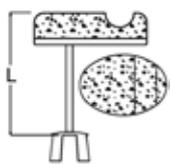
CODE	L (mm)	CODE	L (mm)
PAP 07.62.050	0.50	PAP 07.62.250	2.50
PAP 07.62.075	0.75	PAP 07.62.275	2.75
PAP 07.62.100	1.00	PAP 07.62.300	3.00
PAP 07.62.125	1.25	PAP 07.62.325	3.25
PAP 07.62.150	1.50	PAP 07.62.350	3.50
PAP 07.62.175	1.75	PAP 07.62.400	4.00
PAP 07.62.200	2.00	PAP 07.62.450	4.50
PAP 07.62.225	2.25	PAP 07.62.500	5.00



**TITANIUM/HAP Partial Prosthesis** **PATENTED** CODE PAP 07.66

Columella outside  $\varnothing$ : 1.20  
Columella inside  $\varnothing$ : 1.10

CODE	L (mm)	CODE	L (mm)
PAP 07.66.100	1.00	PAP 07.66.275	2.75
PAP 07.66.125	1.25	PAP 07.66.300	3.00
PAP 07.66.150	1.50	PAP 07.66.325	3.25
PAP 07.66.175	1.75	PAP 07.66.350	3.50
PAP 07.66.200	2.00	PAP 07.66.400	4.00
PAP 07.66.225	2.25	PAP 07.66.450	4.50
PAP 07.66.250	2.50	PAP 07.66.500	5.00



**TITANIUM Adjustable Total Prosthesis** CODE TAP 07.63

Extensible stem  
Flange size: 3.50 x 2.50

CODE	L (mm)
TAP 07.63	from 3.00 to 8.00



3 p.d. atitikimas:"Galvutės skersmuo yra 2,5 mm x 3,5 mm."

**TITANIUM/HAP Adjustable Total Prosthesis** **PATENTED** CODE TAP 07.67

Extensible stem  
Flange size: 3.50 x 2.50

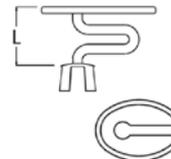
CODE	L (mm)
TAP 07.67	from 4.00 to 8.00



**TITANIUM Adjustable Partial Prosthesis** CODE PAP 07.64

Extensible stem  
Flange size: 3.50 x 2.50

CODE	L (mm)
PAP 07.64	from 1.50 to 5.50



**TITANIUM Adjustable Partial Prosthesis** **PATENTED** CODE PAP 07.68

Extensible stem  
Flange size: 3.50 x 2.50

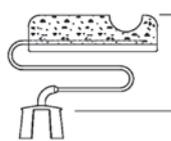
CODE	L (mm)
PAP 07.68	from 2.25 to 5.00



**TITANIUM/ HAP Shock-absorbing Prosthesis** **PATENTED** CODE PAP 07.60

Columella outside  $\varnothing$ : 1.30  
Columella inside  $\varnothing$ : 1.10

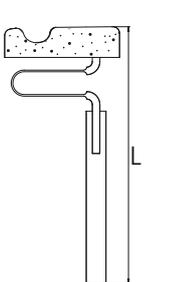
CODE	L (mm)
PAP 07.60.250	2.50
PAP 07.60.300	3.00
PAP 07.60.350	3.50
PAP 07.60.400	4.00
PAP 07.60.450	4.50
PAP 07.60.500	5.00



**TITANIUM/ HAP Shock-absorbing Prosthesis** **PATENTED** CODE TAP 07.71

Columella PTFE  $\varnothing$ : 0.60

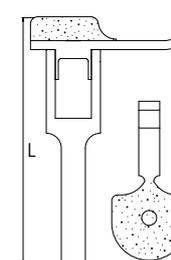
CODE	L (mm)
TAP 07.71	trimmable from 8.00 to 4.00



**Bojrab TITANIUM Universal Prosthesis** CODE TPL 07.77

Trimmable stem  
Flange size: 2.50 x 5.35

CODE	L (mm)
TPL 07.77	trimmable from 8.00 to 2.00



**TITANIUM/HAP/PTFE Universal Prosthesis** **PATENTED** CODE TPL 07.59

Partial: columella outside  $\varnothing$ : 1.20  
columella inner  $\varnothing$ : 1.10  
Total: columella  $\varnothing$ : 0.60

CODE	L (mm)
TPL 07.59	shortable from 3.50 to 7.50

