Self-crimping Piston in Elastic Titanium

Prostheses for Stapes Surgery

Surgical Instruments
Reconstructive Biomaterials
PVA Anatomical Swabs
Prostheses for Otosurgery
Disposable Suction Tubes

Bandage for Rhinoplasty

audio® Technologies
Self-crimping harmonic titanium piston available in diameters of 0.4, 0.5, 0.6, & 0.8 mm and lengths from 4.25 to 6.50 mm.

**Features:**

- **HARMONIC TITANIUM HOOK**
The classic Audio flat hook in combination with the harmonic Titanium it is the result of a unique Audio Technologies manufacturing process that gives more elasticity to the material. This acquired characteristic is combined with the other good qualities of titanium: mechanical resistance, bioinertia, and being very lightweight.

- **SIMPLIFICATION OF THE OPERATION**
The hook elasticity shortens the surgery time and the difficulties that may occur during the closing phase. The hook closes softly uniformly wrapping the pressure along the total periphery of the long incus process, so to minimize the risk of compressive necrosis.

- **EASY ASSEMBLING**
The piston attaches to the incus with an easy downward movement. The micro forceps Audio ref. SPL 03.01 makes it widely easy assembling the prosthesis to the incus. In case of thin incus or repeated prosthesis’ manipulations it could be necessary to complete the hook closing phase with a micro forceps.
Self-crimping Piston in Elastic Titanium

**Ti: Titanium ASTM F67 Gr. 2**

**Dimensions**
- Wire ø: 0.20 mm
- Columella ø: 0.40 mm
- Weight:
  - from 1.15 mg (SPL 03.31.425)
  - to 2.40 mg (SPL 03.31.650)

**Packaging**
individually packaged implants.

**CODE** | **L (mm)**
---|---
SPL 03.31.425 | 4.25
SPL 03.31.450 | 4.50
SPL 03.31.475 | 4.75
SPL 03.31.500 | 5.00
SPL 03.31.525 | 5.25
SPL 03.31.550 | 5.50
SPL 03.31.575 | 5.75
SPL 03.31.600 | 6.00
SPL 03.31.650 | 6.50

**Self-crimping Piston in Elastic Titanium**

**Ti: Titanium ASTM F67 Gr. 2**

**Dimensions**
- Wire ø: 0.20 mm
- Columella ø: 0.50 mm
- Weight:
  - from 1.40 mg (SPL 03.32.425)
  - to 3.35 mg (SPL 03.32.650)

**Packaging**
individually packaged implants.

**CODE** | **L (mm)**
---|---
SPL 03.32.425 | 4.25
SPL 03.32.450 | 4.50
SPL 03.32.475 | 4.75
SPL 03.32.500 | 5.00
SPL 03.32.525 | 5.25
SPL 03.32.550 | 5.50
SPL 03.32.575 | 5.75
SPL 03.32.600 | 6.00
SPL 03.32.650 | 6.50

**Self-crimping Piston in Elastic Titanium**

**Ti: Titanium ASTM F67 Gr. 2**

**Dimensions**
- Wire ø: 0.20 mm
- Columella ø: 0.60 mm
- Weight:
  - from 1.70 mg (SPL 03.33.425)
  - to 4.55 mg (SPL 03.33.650)

**Packaging**
individually packaged implants.

**CODE** | **L (mm)**
---|---
SPL 03.33.425 | 4.25
SPL 03.33.450 | 4.50
SPL 03.33.475 | 4.75
SPL 03.33.500 | 5.00
SPL 03.33.525 | 5.25
SPL 03.33.550 | 5.50
SPL 03.33.575 | 5.75
SPL 03.33.600 | 6.00
SPL 03.33.650 | 6.50

**Self-crimping Piston in Elastic Titanium**

**Ti: Titanium ASTM F67 Gr. 2**

**Dimensions**
- Wire ø: 0.20 mm
- Columella ø: 0.80 mm
- Weight:
  - from 2.50 mg (SPL 03.34.425)
  - to 7.60 mg (SPL 03.34.650)

**Packaging**
individually packaged implants.

**CODE** | **L (mm)**
---|---
SPL 03.34.425 | 4.25
SPL 03.34.450 | 4.50
SPL 03.34.475 | 4.75
SPL 03.34.500 | 5.00
SPL 03.34.525 | 5.25
SPL 03.34.550 | 5.50
SPL 03.34.575 | 5.75
SPL 03.34.600 | 6.00
SPL 03.34.650 | 6.50

Designed by F. Beoni
Features:

• HARMONIC TITANIUM HOOK
  The harmonic titanium is
the result of a particular Audio Technologies manufacturing process
that gives more elasticity to the material. This acquired charac-
teristic combines with the other good qualities of the titanium:
mechanical resistance, bioinertia and lightness.

• SEMPLIFICATION OF THE OPERATION
  Hook elasticity allows to eliminate the surgery time and the difficulty
  of the closing. The closing of the hook it’s soft and regular and it’s
  avoid the risk of ischemia and incus necrosis.

• EASY ASSEMBLING
  The piston joints to the incus with an
easy downward movement: the apophysis (the particular
shape of the hook) allows an easy taking of the forceps and doesn’t
obscure the operating field. The necessary strength for the assem-ling is 4.5 gr only.
  In case of thin incus or repeated prosthesis’ manipulations it could be
  necessary to complete the hook closing phase with a micro forceps.

Self-crimping harmonic titanium piston, available diameters 0.4 – 0.5 – 0.6 – 0.8 mm
and length 7.0 mm trimmable to 4.25 mm*.
* It would be better to use “Trimmable prosthesis measuring plate” code SPL 03.06 for the prosthesis trimming phase.

CODE SPL 03.35S
SPL 03.36S
SPL 03.37S
SPL 03.38S
Trimmable Self-crimping Piston in Elastic Titanium and PTFE

**CODE SPL 03.35S**

*Ti: Titanium ASTM F67 Gr. 2 - PTFE: polytetrafluoroethylene*

**Dimensions**
- Wire ø: 0.20 mm
- PTFE Columella ø: 0.40 mm
- Weight: 1.90 mg MAX.

**Packaging**
- Individually packaged implants.

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<th>CODE</th>
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<tbody>
<tr>
<td>SPL 03.35S</td>
<td>7.00 trimmable to 4.25</td>
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Trimmable Self-crimping Piston in Elastic Titanium and PTFE

**CODE SPL 03.36S**

*Ti: Titanium ASTM F67 Gr. 2 - PTFE: polytetrafluoroethylene*

**Dimensions**
- Wire ø: 0.20 mm
- Columella ø: 0.50 mm
- Weight: 2.40 mg MAX.

**Packaging**
- Individually packaged implants.

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Trimmable Self-crimping Piston in Elastic Titanium and PTFE

**CODE SPL 03.37S**

*Ti: Titanium ASTM F67 Gr. 2 - PTFE: polytetrafluoroethylene*

**Dimensions**
- Wire ø: 0.20 mm
- Columella ø: 0.60 mm
- Weight: 3.10 mg MAX.

**Packaging**
- Individually packaged implants.

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Trimmable Self-crimping Piston in Elastic Titanium and PTFE

**CODE SPL 03.38S**

*Ti: Titanium ASTM F67 Gr. 2 - PTFE: polytetrafluoroethylene*

**Dimensions**
- Wire ø: 0.20 mm
- Columella ø: 0.80 mm
- Weight: 4.80 mg MAX.

**Packaging**
- Individually packaged implants.

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