

# INVOTEC

ENT and Plastic Surgery



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Invotec's Swiss Therapy® Masks and Sheeting are synthesized from a patented Hydrogel material. It is used as a lightweight and flexible cold compress during and after cosmetic procedures of the face.

- Moist, but not wet
- Lightweight & comfortable
- Gently pliable & conforming
- Non-adherent
- Highly patient compliant
- Convenient, easy to use
- Soothing to skin
- Sterile



## SWISS THERAPY® EYE AND FULL FACE MASKS

An easy to use, post-operative cold compress for a variety of plastic surgery or cosmetic procedures involving the facial area. While comforting to the patient, it reduces post-operative swelling, redness and discomfort, decreases healing time, and enables the patient to return to normal activities more quickly, increasing the patient's satisfaction.

### Superior Post-Operative Compress with Swiss Therapy

- Conforms better to the contours of the face
- Does not leak
- Does not put pressure on or stick to the skin
- Provides superior post-operative wound monitoring, while absorbing and providing pain relief



10-08803



10-08813



10-08820

| Number   | Description                   |                    | Qty/Box |
|----------|-------------------------------|--------------------|---------|
| 10-08803 | Swiss Therapy® eye mask       | Sterile            | 3       |
| 10-08813 | Swiss Therapy® eye mask       | Reinforced Sterile | 3       |
| 10-08820 | Swiss Therapy® Full face mask | Sterile            | 2       |

## LASER & IPL SKIN THERAPY THROUGH SWISS THERAPY® SHEET

Provides cooling local anesthetic and pain relieving effects during and after Laser and IPL and before or after injectable therapies. The immediate application of Swiss Therapy® provides a soothing, refreshing, and relaxing feeling. Further, Swiss Therapy® reduces the risk of hematoma formation and is beneficial in restoring strength and mobility more quickly so that patients can heal faster and feel better sooner.

### Injection Therapy with Swiss Therapy

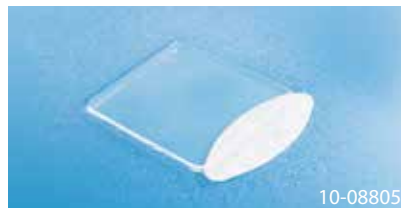
Your injectable therapy patient's aesthetic procedure experience can be optimized via the cooling comfort provided, before and after injection.

- Soothe the skin, reduce redness
- Minimize skin irritation
- Relieve burning sensations
- Control adverse effects commonly associated with Botox® and other injectable therapies

### Laser Therapy with Swiss Therapy

Swiss Therapy® hydrogel sheeting is a convenient and non-aggressive strategy for cooling and protecting the epidermis during and after laser and IPL procedures.

- Virtually no prism effect when performing procedures through Swiss Therapy® sheeting
- Prevents the escape of tissue splatter and smoke plumes, while maximizing patient comfort



10-08805



10-08806



10-08807

| Number   | Description                                  |         | Qty/Box |
|----------|----------------------------------------------|---------|---------|
| 10-08805 | Swiss Therapy® Sheet, 10 cm x 10 cm x 3.5 mm | Sterile | 5       |
| 10-08806 | Swiss Therapy® Sheet, 7 cm x 12 cm x 3.5 mm  | Sterile | 5       |
| 10-08807 | Swiss Therapy® Sheet, 5 cm x 9 cm x 3.3 mm   | Sterile | 5       |

### Swiss Therapy® Pad Indications

- Can be used in with all laser systems (Q-switched, pulsed), and arc lamps in the therapeutic wavelength range of 500-1100nm without affecting transmission of the laser energy. Swiss Therapy should not be used with wavelengths less than 500nm or more than 1100nm or in laser therapies using lasers with integrated, liquid coolant based cooling systems.
- Non-ablative dermo-cosmetic medical laser products only.



## SILICONE SCAR SHEETS

Transparent, soft, elastic and self-adhesive sheet dressing. Effective in preventing the formation of new scars and reducing the appearance of existing scars. It is easily applied to all areas of skin including exposed or hard-to-treat areas like the face, ears, arms, hands and joints.

- Crystal clear 100% medical grade silicone gel sheeting
- Provides elastic protection to the skin for optimal scar healing
- Durable, comfortable and re-usable
- Various in shapes, sizes and backing colors
- No irritation, no maceration
- Latex free
- Trimmable
- Durable and reusable



12-75453



12-12080



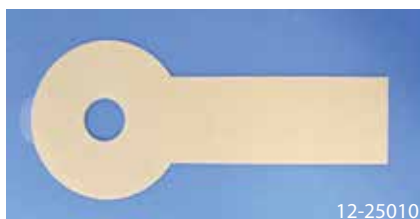
12-07603



12-17603



12-17076



12-25010

| Number   | Description    | Size                           | Gel Thickness | Qty/Box |
|----------|----------------|--------------------------------|---------------|---------|
| 12-75453 | Sheet Dressing | 75 mm x 45 mm                  | 0.5 mm        | 10      |
| 12-12080 | Sheet Dressing | 120 mm x 80 mm                 | 0.5 mm        | 10      |
| 12-07603 | Nipple Cover   | fabric backing 76 mm           | 0.3 mm        | 10      |
| 12-17603 | Areola         | fabric backing 76 mm           | 0.3 mm        | 10      |
| 12-17076 | Mastopexy      | fabric backing 170 mm x 76 mm  | 0.3 mm        | 10      |
| 12-25010 | Anchor         | fabric backing 250 mm x 100 mm | 0.3 mm        | 10      |

### INK SKIN MARKER

The first prep resistant ink skin marker to virtually eliminate the need for remarking of the patient even after prepping with common alcohol-based antiseptics such as Chloraprep® or Duraprep™. Successful in millions of clinical trials, the XL features patent-pending ink that remains visible after prepping patients.

- Visible up to 10 times longer than traditional ink skin markers
- Ultra Fine Tip
- Sterile
- Includes ruler



| Number   | Description           | Qty/<br>Box |
|----------|-----------------------|-------------|
| 1448XLSR | XL Prep Resistant Ink | 100         |

### Micro-Needle

### ELECTROCAUTERY DISSECTION MICRO-NEEDLE

- Blepharoplasty
- Incising Temporalis Fascia
- Otoplasty
- Bicoronal flap
- Cleft lip revision
- Rhinoplasty
- Tungsten tip



| Number   | Description                                          | Qty/<br>Box |
|----------|------------------------------------------------------|-------------|
| 29-10000 | 55 mm long, exposed 3mm tip, straight blue insulated | 1           |

### MEDICAL GRADE SILICONE SHEETING

| Number      | I.D. x O.D.                                         | Qty/box |
|-------------|-----------------------------------------------------|---------|
| STERILE     |                                                     |         |
| 20-10680    | 55 mm x 75 mm x 1.0 mm (2.2 x 3.0 x .040")          | 5 pair  |
| 20-10680S   | 55 mm x 75mm x 1.0 mm (2.2 x 3.0 x .040")           | 10      |
| 20-10681    | 55mm x 75mm x 0.25mm (2.2 x 3.0 x .010")            | 10      |
| 20-10682    | 55 mm x 75 mm x 0.5 mm (2.2 x 3.0 x .020")          | 5 pair  |
| 20-10682S   | 55 mm x 75 mm x 0.5 mm (2.2 x 3.0 x .020")          | 10      |
| 20-10685    | 38 mm x 51 mm x .13 mm (1.5 x 2.0 x .005")          | 10      |
| 20-10685B   | 38 mm x 51 mm x .13 mm (1.5 x 2.0 x .005")          | 10      |
| 20-10686    | 55 mm x 75 mm x 1.5 mm (2.2 x 3.0 x .060")          | 5 pair  |
| 20-10686S   | 55 mm x 75 mm x 1.5 mm (2.2 x 3.0 x .060")          | 10      |
| NON-STERILE |                                                     |         |
| 20-20680    | 11 cm x 15 cm x 1.0 mm (4.5 x 6.0 x .040")          | 10      |
| 20-20682    | 11 cm x 15 cm x 0.5 mm (4.5 x 6.0 x .020")          | 10      |
| 20-20685    | 11 cm x 15 cm x .13 mm (4.5 x 6.0 x .005")          | 10      |
| 20-20686    | 11 cm x 15 cm x 1.5 mm (4.5 x 6.0 x .060")          | 10      |
| 20-30002    | 30 cm x 30 cm x .06 mm (12 x 12 x .0025")           | 1       |
| 20-30005    | 30 cm x 30 cm x .13 mm (12 x 12 x .005")            | 1       |
| 20-30007    | 30 cm x 30 cm x .18 mm (12 x 12 x .007")            | 1       |
| 20-30010    | 30 cm x 30 cm x .25 mm (12 x 12 x .010")            | 1       |
| 20-30015    | 30 cm x 30 cm x .38 mm (12 x 12 x .015")            | 1       |
| 20-30020    | 30 cm x 30 cm x .50 mm (12 x 12 x .020")            | 1       |
| 20-30030    | 30 cm x 30 cm x .75 mm (12 x 12 x .030")            | 1       |
| 20-30040    | 30 cm x 30 cm x 1.0 mm (12 x 12 x .040")            | 1       |
| 20-30050    | 30 cm x 30 cm x 1.25 mm (12 x 12 x .050")           | 1       |
| 20-30060    | 30 cm x 30 cm x 1.5 mm (12 x 12 x .060")            | 1       |
| 20-30015R   | 30 cm x 30 cm x .38 mm (12 x 12 x .015") Reinforced | 1       |
| 20-30020R   | 30 cm x 30 cm x .50 mm (12 x 12 x .020") Reinforced | 1       |

### MEDICAL GRADE SILICONE TUBING

| Number      | I.D. x O.D.   | Length |
|-------------|---------------|--------|
| NON-STERILE |               |        |
| 50-01101    | 0.012 x 0.025 | 50'    |
| 50-01111    | 0.020 x 0.037 | 50'    |
| 50-01121    | 0.025 x 0.047 | 50'    |
| 50-01131    | 0.030 x 0.065 | 50'    |
| 50-01141    | 0.040 x 0.085 | 50'    |
| 50-01151    | 0.058 x 0.077 | 50'    |
| 50-01161    | 0.062 x 0.095 | 50'    |
| 50-01171    | 0.062 x 0.125 | 50'    |
| 50-01181    | 0.078 x 0.125 | 50'    |
| 50-01191    | 0.104 x 0.192 | 50'    |
| 50-01201    | 0.118 x 0.181 | 50'    |
| 50-01211    | 0.125 x 0.250 | 50'    |
| 50-01221    | 0.132 x 0.183 | 50'    |
| 50-01231    | 0.157 x 0.257 | 50'    |
| 50-01241    | 0.188 x 0.313 | 50'    |
| 50-01251    | 0.188 x 0.375 | 50'    |
| 50-01261    | 0.250 x 0.375 | 50'    |
| 50-01271    | 0.250 x 0.438 | 50'    |

| IMPLANTABLE | GRADE  | SILICONE | BLOCKS |
|-------------|--------|----------|--------|
| Number      | A      | B        | C      |
| SB-01       | 5.0 cm | 3.0 cm   | 1.0 cm |
| SB-02       | 6.0 cm | 4.0 cm   | 1.5 cm |
| SB-03       | 7.0 cm | 5.0 cm   | 2.0 cm |



#### INVOTEC SEPTAL BUTTONS

- For non-surgical closure of nasal perforations
- Can reduce or eliminate crusting, epistaxis, and other symptoms of nasal perforations
- Soft 100% medical grade silicone for patient comfort and ease of insertion
- Provided sterile, ready to use

| Number    | Description         | Diameter | IFD    | Post Ø |         | Qty/Box |
|-----------|---------------------|----------|--------|--------|---------|---------|
| 20-10400  | Nasal Septal Button | 3.2 cm   | 2.5 mm | 6 mm   | Sterile | 1       |
| 20-10400S | Nasal Septal Button | 5.0 cm   | 1.5 mm | 8 mm   | Sterile | 1       |

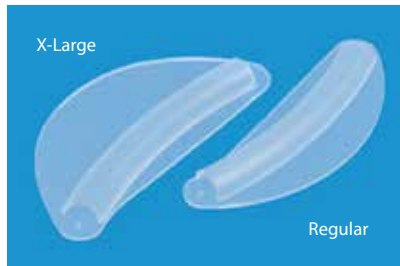
\*Trim to size or custom sizes available upon request

Reference: Kern, E.B., Facer, G.W., McDonald, T.J., Westood, W.B.  
Closure of Nasal Septal Perforations with a Silastic Button: Results in 45 Patients. O.R.L. Digest, Vol. 39, July 1977.

**BREATHE-EASY™ SPLINT**

Silicone nasal septal splint with integral airway

- Provides septal support
- Allows nasal breathing post-operative through integral airway
- Pre-punched hole in anterior tip for easier suturing to prevent dislodgement and aid in septal stabilization
- 100% medical grade silicone for ease of insertion and removal
- Sterile



| Number      | Description               | Size    | Dimensions  | Height | Qty/Box |
|-------------|---------------------------|---------|-------------|--------|---------|
| 20-10500    | Breathe-Easy Nasal Splint | Regular | 70mm x 25mm | 6 mm   | 5 pair  |
| 20-10500BSP | Breathe-Easy Nasal Splint | Regular | 70mm x 25mm | 6 mm   | 50 pair |
| 20-10510    | Breathe-Easy Nasal Splint | X-Large | 88mm x 40mm | 6 mm   | 5 pair  |

**PRE-CUT™ SPLINT**

Silicone nasal septal splint

- Provides septal support
- Pre-punched hole in anterior tip for easier suturing to prevent dislodgement and aid in septal stabilization
- 100% medical grade silicone for ease of insertion and removal
- Sterile



| Number   | Description          |         | Qty/Box |
|----------|----------------------|---------|---------|
| 20-10505 | Pre-Cut Nasal Splint | Sterile | 5 pair  |

**DEMPSEY SPLINT**

Fluoroplastic internal nasal splint

- 100% Fluoroplastic to reduce or prevent adhesions between the septum and lateral nasal wall by stabilizing the turbinates
- Easy insertion and removal
- Sterile



| Number    | Description            |         | Qty/Box |
|-----------|------------------------|---------|---------|
| 20-10602  | Dempsey Medium         | Sterile | 10 pair |
| 20-10603  | Dempsey Large          | Sterile | 10 pair |
| 20-10602C | Dempsey, Medium, Clear | Sterile | 10 pair |
| 20-10603C | Dempsey, Large, Clear  | Sterile | 10 pair |

**Sinu-Splint™**

Nasal Irrigation and Turbinate Spacer

Dedicated for Irrigation



| Number   | Description                                       | Qty    |
|----------|---------------------------------------------------|--------|
| 20-10530 | Sinu-Splint™ sinus irrigator and turbinate spacer | 10/box |



## GUASTELLA/MANTOVANI™ INTERNAL NASAL SPLINT

- Designed for functional and/or aesthetic rhinoplasty of the septal valve nose tip and nasal pyramid
- Shaped to support the tip of the nose
- Made from 100% Fluoroplastic
- Sterile

| Number   | Description                               | Thickness | Qty/Box |
|----------|-------------------------------------------|-----------|---------|
| 20-10630 | Guastella/Mantovani Internal Nasal Splint | .25mm     | 5 pair  |

Reference: Mantovani, M., Guastella, C., Mazzola, R.  
The Guastella/Mantovani Septal-Valve Splint: An Intranasal  
Biplanar and Multivectorial Orthopedic Device  
Plastic and Reconstructive Surgery, Vol. 106, August, 2000

## BIVALVE SPLINTS

### Nasal Septal Splints

- 100% Fluoroplastic to reduce or prevent adhesions between the septum and lateral nasal wall
- Easy insertion and removal
- Pre-punched suture holes
- Over 40 years of clinical use
- Sterile



| Number    | Size     | Description    | Thickness | Qty/box |
|-----------|----------|----------------|-----------|---------|
| 20-10650  | Standard | Bivalve Splint | .25mm     | 5 pair  |
| 20-10650S | Standard | Bivalve Splint | .25mm     | 10 ea   |
| 20-10655  | Standard | Bivalve Splint | .50mm     | 5 pair  |
| 20-10655S | Standard | Bivalve Splint | .50mm     | 10 ea   |
| 20-10660  | Large    | Bivalve Splint | .25mm     | 5 pair  |
| 20-10660S | Large    | Bivalve Splint | .25mm     | 10 ea   |
| 20-10665  | Large    | Bivalve Splint | .50mm     | 5 pair  |
| 20-10665S | Large    | Bivalve Splint | .50mm     | 10 ea   |

## CUSTOM-CUT™ SPLINTS

- Choice of 100% Fluoroplastic or 100% medical grade silicone
- Allows for custom design by the surgeon
- Five thicknesses available
- Sterile



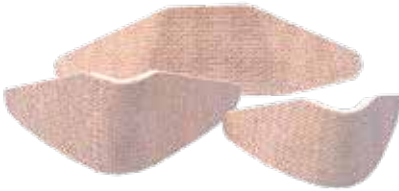
| Number    | Size        | Description                     | Thickness | Qty/box |
|-----------|-------------|---------------------------------|-----------|---------|
| 20-10670  | 38mm x 64mm | Custom-Cut Fluoroplastic        | .25mm     | 5 pair  |
| 20-10675  | 38mm x 64mm | Custom-Cut Fluoroplastic        | .50mm     | 5 pair  |
| 20-10680  | 55mm x 75mm | Custom-Cut Silicone             | 1.0mm     | 5 pair  |
| 20-10680S | 55mm x 75mm | Custom-Cut Silicone             | 1.0mm     | 10 ea   |
| 20-10681  | 55mm x 75mm | Custom-Cut Silicone             | .25mm     | 10 ea   |
| 20-10682  | 55mm x 75mm | Custom-Cut Silicone             | .50mm     | 5 pair  |
| 20-10682K | 55mm x 75mm | Custom-Cut Silicone, reinforced | .50mm     | 5 pair  |
| 20-10682S | 55mm x 75mm | Custom-Cut Silicone             | .50mm     | 10 ea   |
| 20-10685  | 38mm x 50mm | Custom-Cut Silicone             | .13mm     | 10 ea   |
| 20-10685B | 38mm x 50mm | Custom-Cut Silicone, Blue       | .13mm     | 10 ea   |
| 20-10686  | 55mm x 75mm | Custom-Cut Silicone             | 1.5mm     | 5 pair  |
| 20-10686S | 55mm x 75mm | Custom-Cut Silicone             | 1.5mm     | 10 ea   |



## SOFT-FORM™ THERMOPLASTIC NASAL SPLINT

- Standard sizes or exclusive Invotec's Custom-Cut™ to design your own
- Easy to apply - adhesive backing
- Dorsum Pad Included

| Number   | Description           |                      |             | Qty/Box |
|----------|-----------------------|----------------------|-------------|---------|
| 20-10100 | External Nasal Splint | small                | single      | 10      |
| 20-10101 | External Nasal Splint | small                | kit         | 5 kits* |
| 20-10110 | External Nasal Splint | regular              | single      | 10      |
| 20-10111 | External Nasal Splint | regular              | kit         | 5 kits* |
| 20-10120 | External Nasal Splint | custom-cut, 2 x 3 in | single      | 10      |
| 20-10121 | External Nasal Splint | custom-cut, 2 x 3 in | kit         | 5 kits* |
| 20-10125 | Large Sheet           | 8.5 x 11 in          | Cut to size | 1       |
| 20-10130 | External Nasal Splint | large                | single      | 10      |
| 20-10131 | External Nasal Splint | large                | kit         | 5 kits* |



## SOFT-FORM AL™ PADDED ALUMINUM NASAL SPLINT

- Easy to remove for patient comfort
- Three standard sizes
- Easy to apply - adhesive backing
- Dorsum Pad Included

| Number   | Description           |         |        | Qty/Box |
|----------|-----------------------|---------|--------|---------|
| 20-10200 | External Nasal Splint | small   | single | 10      |
| 20-10201 | External Nasal Splint | small   | kit    | 5 kits* |
| 20-10210 | External Nasal Splint | regular | single | 10      |
| 20-10211 | External Nasal Splint | regular | kit    | 5 kits* |
| 20-10220 | External Nasal Splint | large   | single | 10      |
| 20-10221 | External Nasal Splint | large   | kit    | 5 kits* |



## SOFT-FORM AL-D™ PADDED ALUMINUM NASAL SPLINT

- Three standard sizes
- Easy to apply - adhesive backing
- Dorsum Pad Included

| Number   | Description           |         |        | Qty/Box |
|----------|-----------------------|---------|--------|---------|
| 20-10300 | External Nasal Splint | small   | single | 10      |
| 20-10301 | External Nasal Splint | small   | kit    | 5 kits* |
| 20-10310 | External Nasal Splint | regular | single | 10      |
| 20-10311 | External Nasal Splint | regular | kit    | 5 kits* |
| 20-10320 | External Nasal Splint | large   | single | 10      |
| 20-10321 | External Nasal Splint | large   | kit    | 5 kits* |



## SOFT-FORM AL-B™ ALUMINUM NASAL SPLINT

- Two standard sizes

| Number    | Description           |        |        | Qty/Box |
|-----------|-----------------------|--------|--------|---------|
| 20-10300B | External Nasal Splint | small  | single | 10      |
| 20-10310B | External Nasal Splint | medium | single | 10      |

\* Kits contain:

- (1) Sterile skin preparation sponge
- (1) Sterile alcohol sponge

(1) Nasal Splint

(1) Dorsum pad

(6) Sterile 12mm x 100mm closure tapes



### NASAL DRIP PADS

- Absorbs nasal drainage in the post-surgical recovery phase
- Eases the recovery process of any nasal surgery
- Ultra-absorbent
- User friendly
- Tape free

| Number       | Description                                              | Qty/Box |
|--------------|----------------------------------------------------------|---------|
| 600NDPN02015 | Nasal Drip Pads, non sterile, with pre-affixed ear loops | 10      |



### PVA SPONGE PACKING

- Soft, comfortable and conforming
- Packaged compressed and sterile
- Easily trimmed with scissors
- Small pore size minimizes tissue ingrowth

#### Standard

| Invotec Number | Merocel® Number | Description                   | Dimensions         | Qty/Box |
|----------------|-----------------|-------------------------------|--------------------|---------|
| 22-60400       | 440400          | Nasal Dressing, small         | 4.5 x 1.5 x 2.0 cm | 10      |
| 22-60402       | 440402          | Nasal Dressing, large         | 8.0 x 1.5 x 2.0 cm | 10      |
| 22-60402P      | 400402          | Nasal Dressing without string | 8.0 x 1.5 x 2.0 cm | 20      |

|          |        |                                    |                    |    |
|----------|--------|------------------------------------|--------------------|----|
| 22-60409 | 440409 | Nasal Dressing with airway, small  | 4.5 x 1.5 x 2.0 cm | 10 |
| 22-60410 | 440410 | Nasal Dressing, with airway, large | 8.0 x 1.5 x 2.0 cm | 10 |

#### Anatomical

|          |        |                                     |                    |    |
|----------|--------|-------------------------------------|--------------------|----|
| 22-60411 | 440411 | Anatomical Nasal Tampon with airway | 8.0 x 1.5 x 3.0 cm | 10 |
| 22-60413 | 440413 | Anatomical Nasal Tampon             | 8.0 x 1.5 x 3.0 cm | 10 |
| 22-60414 | 440413 | Slimline Anatomical Nasal Tampon    | 8.0 x .75 x 3.0 cm | 10 |

#### Epistaxis Products

|           |        |                                           |                     |    |
|-----------|--------|-------------------------------------------|---------------------|----|
| 22-60406  | 440406 | Posterior Epistaxis Tampon                | 10.0 x 1.5 x 2.5 cm | 10 |
| 22-60406P | 400406 | Posterior Epistaxis Tampon without string | 10.0 x 1.5 x 2.5 cm | 10 |
| 22-60421  | 400421 | Anterior Epistaxis Tampon                 | 5.5 x 1.5 x 2.5 cm  | 10 |

#### Sinus Packs and Dressings

|          |        |                      |                    |         |
|----------|--------|----------------------|--------------------|---------|
| 22-60426 | 400426 | Sinus Dressing       | 3.5 x 0.9 x 1.2 cm | 10 pair |
| 22-60427 | 400427 | Sinus Dressing       | 2.5 x 0.9 x 2.0 cm | 10 pair |
| 22-60530 | 400530 | Sinus Dressing, slim | 3.5 x 0.6 x 1.2 cm | 10 pair |





### GELATIN SPONGES AND FILM USP

Indicated for use to control minimal bleeding by tamponade effect, blood absorption and platelet aggregation following ENT surgery and to prevent adhesions in the nasal cavity. Gelatin sponges are effective in supporting the new graft in the outer ear canal after tympanoplasty and buttressing middle ear implants.

| Number        | Description                 | Dimensions        | Size | Qty/<br>Box |
|---------------|-----------------------------|-------------------|------|-------------|
| EQU60-20-07   | EquiSpon® Sponge            | 60 x 20 x 7 mm    | 12-7 | Sterile 10  |
| EQU125-80-10  | EquiSpon® Sponge            | 125 x 80 x 10 mm  | 100  | Sterile 5   |
| EQU125-80-01C | EquiSpon® Compressed Sponge | 125 x 80 x 1 mm   | 100  | Sterile 5   |
| EQUF200-70-05 | EquiSpon® Film              | 200 x 70 x 0.5 mm |      | Sterile 10  |
| EQU80-50-10   | EquiSpon® Sponge            | 80 x 50 x 10 mm   | 50   | Sterile 10  |
| EQU80-50-01C  | EquiSpon® Compressed Sponge | 80 x 50 x 1 mm    | 50   | Sterile 10  |

### POWDER

| Number  | Description                                                                                                                                                       | Qty/<br>Box |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| EQP-01  | Equi-Spon® Powder, 1 gram                                                                                                                                         | Sterile 4   |
| EQP-01K | Equi-Spon® Hemostat Kit<br>Includes: Two (2) 10 cc LL syringes, 18g needle,<br>Flexible applicator cannula, 1gm Equi-Spon Porcine<br>Powder with Mixing container | Sterile 5   |

### EQUISPON SPONGE TAMPON

| Number      | Description                              | Dimensions | Qty/<br>Box |
|-------------|------------------------------------------|------------|-------------|
| EQU80-30-00 | Equispon Sponge, Fenestrated<br>Cylinder | 80 x 30 mm | Sterile 5   |



### PureRegen™

#### Injectable Crosslinked Hyaluronic Acid Nasal Packing and Stent

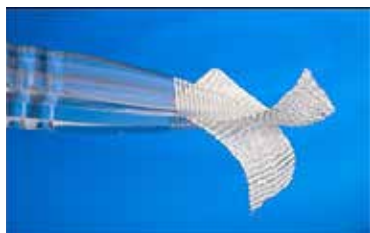
PureRegen® injectable nasal packing is formulated to be used as a nasal dressing and stent, separating nasal structures following nasal and sinus surgical procedures.

PureRegen® bioresorbable nasal packing and stent is a non-pyrogenic, transparent, specifically formulated viscoelastic gel of self-cross-linked hyaluronan derived from nonanimal sources. This patented formulation ensures the material maintains the best possible stability during its storage and clinical use. Unlike esterified HA, PureRegen® Gel has not been reported as osteogenic in the nasal cavities.

PureRegen® Gel absorbs body fluids and blood resulting in its expansion gradually up to 50% by volume. The volume of the injected gel secures its initial stability within sinus cavity and controls minimal bleeding by tamponade effect.

- Controls minimal bleeding and oozing
- Clinically tested effective adhesion prevention
- Facilitates wound healing and functional mucociliary regeneration
- Provides moist wound environment
- Degradable - No need for painful traumatic removal
- Predictable retention - Gradually resorbs over 7-14 days

| Number   | Description                                                                 | Qty/<br>Box |
|----------|-----------------------------------------------------------------------------|-------------|
| PR-00005 | PureRegen™ gel 5 ml prefilled glass syringe with malleable cannula, sterile | 1           |
| PR00005L | Luer Syringe connector                                                      | 10          |



**Equitamp® Gold** is prepared by oxidizing a suitable form of cellulose, pure viscose. Additional processes are then performed to obtain a pure and high-quality form of oxidized and regenerated cellulose. Once placed against the tissue, Equitamp is fully resorbed, independent of the circumstances.

### Mode of Application

Equitamp may be in dry form or after immersion in physiological saline. It must be pressed against the hemorrhage site. The gauze may remain in situ (after strict aseptic measures have been taken). The gauze completely decomposes with a week or may be discharged by natural means.



### Ordering Information

Equitamp has a density of 120 mg/cm<sup>2</sup> and a thickness of 0.4mm.

| Catalog No. | Description                                                                                  | QTY/Box |
|-------------|----------------------------------------------------------------------------------------------|---------|
| ETK-07-10   | Equitamp Knitted oxidized regenerated cellulose gauze, 10cm x 7.5cm (3x4")                   | 10      |
| ETG-05-035  | Equitamp Gold oxidized regenerated cellulose gauze, 5cm x 35cm (2x14")                       | 10      |
| ETG-10-020  | Equitamp Gold oxidized regenerated cellulose gauze, 10cm x 20cm (4x8")                       | 10      |
| ETG-05-075  | Equitamp Gold oxidized regenerated cellulose gauze, 5cm x 7.5cm (2x3")                       | 20      |
| ETG-05-125  | Equitamp Gold oxidized regenerated cellulose gauze, 5cm x 1.25 cm (2x0.5")                   | 20      |
| ETF-25-05   | Equitamp Fibrillar 7 layers non-woven Oxidised Regenerated Cellulose 2.5 x 5.0 cm ( 1 x 2 ") | 10      |
| ETF-05-10   | Equitamp Fibrillar 7 layers non-woven Oxidised Regenerated Cellulose 5.0 x 10 cm ( 2 x 4 ")  | 5       |
| ETF-10-10   | Equitamp Fibrillar 7 layers non-woven Oxidised Regenerated Cellulose 10 x 10 cm ( 4 x 4 ")   | 5       |

### Features

- Sterile
- Open woven structure
- Shelf life 5 years post production
- Fast hemostatic effect (2 to 4 minutes)
- Fully resorbable by means of enzymatic resorption and hydrolysis.
- Resorption time 4-6 days in contact with blood.
- No tissue reaction and no hypersensitivity
- Maximum tensile strength and easy to handle
- Independently proven bactericidal against MRSA, MRSE, VRE and PRSP

**Indication – Hemostatic Mechanism**

Equitamp is used adjunctively in surgical procedures to assist in the control of capillary, venous, and small hemorrhages when ligation or other conventional methods are impractical or ineffective. With Equitamp, hemostasis is achieved within a few minutes. Equitamp can be cut to size for use in endoscopic procedures.

When Equitamp comes into contact with blood, it will absorb the blood and gradually swell, eventually dissolving into a gelatinous material. By briefly applying pressure, the material will adhere to the wound, effectively sealing the ends of the venous capillaries and resulting in mechanical hemostatic effect.

The coagulation cascade is activated, transforming soluble fibrinogen into a net of insoluble fibrin which stops the “bleeding”.

Under normal circumstances, Equitamp is completely bio-absorbable and should be resorbed in 4-6 days. Equitamp should be completely absorbed within 30 days.

In addition to its local hemostatic qualities, Equitamp, has an acidic pH value, pH = 5.5-6.0, and is a proven bactericide, in vitro, against a wide range of gram positive and gram negative organisms, including aerobes and anaerobes. The gauze is proven not to inactivate thrombin.

After 24 hours, a log 7 reduction of these microorganisms is reported.

- Methicillin-Resistant *Staphylococcus aureus* (MRSA)
- Methicillin-Resistant *Staphylococcus epidermis* (MRSE)
- Vancomycin-Resistant *Enterococci faecium* (VRE)
- Penicillin-Resistant *Streptococcus Pneumonia* (PRSP)

Equitamp is not an alternative to specifically designed systemically applied antimicrobial agents.



## ULTRA-STAT™

Epistaxis nasal balloon with integral airway

- Designed for fast control of intra-nasal bleeding and patient comfort
- Bevelled posterior tip and soft silicone construction provide for easy placement
- Two silicone balloons independently filled facilitate pressure control in both the anterior and posterior chambers
- 100% soft medical grade silicone for patient comfort when inserting
- Integral airway allows for nasal breathing
- Silicone construction prevents adhesion for easy removal
- Provided sterile with or without inflation syringe

| Number   | Description                               |         | Qty/Box |
|----------|-------------------------------------------|---------|---------|
| 20-10700 | Ultra-Stat Epistaxis Balloon with syringe | Sterile | 1       |
| 20-10701 | Ultra-Stat Epistaxis Balloon              | Sterile | 1       |



## POST-STAT™

Posterior nasal packing and suction channel

- Excellent for control of posterior intra-nasal bleeding
- Low profile design to maximize working space
- Multi-port suction/irrigator catheter inhibits clogging and provides for clear working area
- Soft silicone construction provides for low cuff pressure
- Silicone construction prevents adhesion for easy removal
- Provided sterile with inflation syringe

| Number   | Description                              |         | Qty/Box |
|----------|------------------------------------------|---------|---------|
| 20-10710 | Post-Stat Epistaxis Balloon with syringe | Sterile | 1       |



## QUICK-PACK™

With airway

- Designed for nasal packing following septal, rhinoplasty, or other intra-nasal procedures
- 100% medical grade silicone reduces or prevents adhesion allowing for patient comfort in use and during removal
- Integral airway allows for nasal breathing
- Provided sterile with inflation syringe

| Number   | Description                           |         | Qty/Box |
|----------|---------------------------------------|---------|---------|
| 20-10715 | Quick-Pack Nasal Packing with syringe | Sterile | 2       |



| Number  | Description            |          |         | Qty/Box |
|---------|------------------------|----------|---------|---------|
| 65-8920 | Sickle Tip with handle | Straight | Sterile | 4       |
| 65-9610 | Uncinate with handle   |          | Sterile | 4       |



| Number  | Description |            |         | Qty/Box |
|---------|-------------|------------|---------|---------|
| 65-6001 | Septotome   | Angled 90° | Sterile | 6       |



## HANDLES

### HOUSE/HOUGH STYLE HANDLE

- Used as a connector between the suction tip and the suction tubing
- Sterile, packaged in individual peel pouch

#### Rhinologic / Otologic

| Number     | Description                                                            | Qty/Box |
|------------|------------------------------------------------------------------------|---------|
| 66500992   | Suction Controller, black                                              | 20      |
| 66505009   | Suction Tip Handle with integral bending slots, without finger control | 20      |
| 6066500990 | Suction Tip Handle, elongated, w/ control                              | 20      |
| 30-10001   | Elongated House/Hough style handle with finger control hole, 3"        | 20      |



#### Otologic

| Number     | Description                                 |             | Qty/Box |
|------------|---------------------------------------------|-------------|---------|
| NZ3238-100 | Suction controller, black, with finger hole | Non-sterile | 100     |



### METAL SUCTION TIP

- Applicable for ear examinations, suction of wax and other fluids, paracentesis
- The curved angle is specially designed for microscopic examination and surgery
- Quick connector suction tip handle is easy to change during surgery
- Sterile, packaged in individual peel pouch
- Available in broad variety of lumen sizes

#### Rhinologic

| Number   | Description              | Color  | Qty/Box |
|----------|--------------------------|--------|---------|
| 65000045 | 0.4mm x 80mm             | Lilac  | 20      |
| 66500072 | 0.7mm x 80mm             | Black  | 20      |
| 66500100 | 1.0mm x 70mm, 3 Fr       | Brown  | 20      |
| 66500102 | 1.4mm x 80mm, 4 Fr       | Brown  | 20      |
| 66500140 | 1.4mm x 70mm, 4 Fr       | White  | 20      |
| 66500142 | 1.4mm x 80mm, 4 Fr       | White  | 20      |
| 66500200 | 2.0mm x 80mm, 14 g, 6 Fr | Green  | 20      |
| 66500250 | 2.5mm x 80mm, 7.5 Fr     | Orange | 20      |
| 66500300 | 3.0mm x 80mm, 9 Fr       | Blue   | 20      |
| 66500400 | 4.0mm x 80mm, 12 Fr      | Yellow | 20      |
| 66509100 | 1.4mm x 100mm, 3 Fr      | Brown  | 20      |
| 66509140 | 1.4mm x 100mm, 4 Fr      | White  | 20      |
| 66509200 | 2.0mm x 100mm, 6 Fr      | Green  | 20      |
| 66509250 | 2.5mm x 100mm, 7 Fr      | Orange | 20      |
| 66509300 | 3.0mm x 100mm, 9 Fr      | Blue   | 20      |
| 66516020 | 2.0mm x 150mm, 6 Fr      | Green  | 10      |
| 66516030 | 3.0mm x 150mm, 9 Fr      | Blue   | 10      |
| 66516040 | 4.0mm x 150mm, 12 Fr     | Yellow | 10      |





### ROSEN-HOUSE STYLE SUCTION NEEDLE

| Number   | Description       | Dimensions               | Color  | Qty/Box |
|----------|-------------------|--------------------------|--------|---------|
| 66500040 | Micro suction tip | 0.4mm x 70mm, 26 G       | Lilac  | 20      |
| 66500045 | Micro suction tip | 0.4mm x 80mm, 26 G       | Lilac  | 20      |
| 66500070 | Micro suction tip | 0.7mm x 70mm, 22 G       | Black  | 20      |
| 66500072 | Micro suction tip | 0.7mm x 80mm, 22 G       | Black  | 20      |
| 66500100 | Micro suction tip | 1.0mm x 70mm, 20 G, 3 Fr | Brown  | 20      |
| 66500140 | Micro suction tip | 1.4mm x 70mm, 18 G, 4 Fr | White  | 20      |
| 66500208 | Suction tip       | 2.0mm x 70mm, 14G, 5 Fr  | Green  | 20      |
| 66500250 | Suction tip       | 2.5mm x 80mm, 7 Fr       | Orange | 20      |
| 66500300 | Micro Suction tip | 3.0mm x 80mm, 9 Fr       | Blue   | 20      |



### FRAZIER/FERGUSON NASAL STYLE SUCTION

- Designed for Rhinology surgery or examination
- Suction tip made of medical grade stainless steel
- Sterile, packed in individual peel pouch
- Available with one side hole (velvet eye) at tip end to avoid biopsy effect (tissue damage)

| Number   | Description / Dimensions            | Color | Qty/Box |
|----------|-------------------------------------|-------|---------|
| 66501020 | 2.0mm x 150mm, 6 Fr                 | Clear | 10      |
| 66501030 | 3.0mm x 150mm, 9 Fr                 | Clear | 10      |
| 66501040 | 4.0mm x 140mm, 12 Fr                | Clear | 10      |
| 66511020 | 2.0mm x 150mm, 6 Fr with side hole  | Clear | 10      |
| 66511030 | 3.0mm x 150mm, 9 Fr with side hole  | Clear | 10      |
| 66511040 | 4.0mm x 150mm, 12 Fr with side hole | Clear | 10      |



### V. EICKEN SINUS ANTRUM CANNULA, LONG CURVE

- FESS procedures
- Olive ball tip for atraumatic dissection or removal of synechia
- Pencil grip
- Sterile

| Number   | Description          | Dimensions                    | Color | Qty/Box |
|----------|----------------------|-------------------------------|-------|---------|
| 66503020 | SS Olive Tip Suction | 2.0mm x 150mm, 6", long curve | Clear | 10      |
| 66503025 | SS Olive Tip Suction | 2.5mm x 150mm, 6", long curve | Clear | 10      |
| 66503030 | SS Olive Tip Suction | 3.0mm x 150mm, 6", long curve | Clear | 10      |
| 66503035 | SS Olive Tip Suction | 3.5mm x 150mm, 6", long curve | Clear | 10      |
| 66503040 | SS Olive Tip Suction | 4.0mm x 150mm, 6", long curve | Clear | 10      |



### EAR PROTECTOR KITS

- Lightweight yet stable, will not slide
- Easy application with adjustable velcro straps
- Comfortable - Exerts even, consistent pressure
- Latex-free and sterile

| Number   | Description                                                                             |         | Qty/Box |
|----------|-----------------------------------------------------------------------------------------|---------|---------|
| 90-11000 | Hard Ear Dressing Kit - adult size<br>Includes: 10 - 4 x 4" gauze sponges, 1 Telfa™ pad | Sterile | 10 kits |
| 90-15005 | Soft Ear Dressing Kit<br>Includes: 4 - 4 x 4" gauze sponges, 1 Telfa™ pad               | Sterile | 10 kits |

### MALLEABLE EAR DRESSINGS

- Ultra-thin, non-rigid
- Smooth, non-adherent silicone surface with a thin malleable metallic layer
- Provides gentle tamponade pressure and minimizes removal discomfort
- As suggested by Frederick Godley, MD, Providence, RI

| Number   | Description                        | Qty/Box |
|----------|------------------------------------|---------|
| 90-20000 | Malleable ear compression dressing | 10      |



- Provides gentle tamponade pressure
- A rigid bandage that can conform to and retain the shape of the external ear
- As suggested by Frederick Godley, MD, Providence, RI

|          |                                               |   |
|----------|-----------------------------------------------|---|
| 90-21000 | Thermoplastic ear compression dressing/splint | 5 |
|----------|-----------------------------------------------|---|



### OTOLOGY PACKING STRIPS

- Designed to protect the tympanic membrane following middle ear surgery
- Available in blue to provide greater visibility in the ear canal
- Rosette packing
- Provided sterile, 3 per pack

| Number    | Description             | Dimensions        | Qty/Box |
|-----------|-------------------------|-------------------|---------|
| 27-10000  | Clear silicone          | 6 x 20 x 0.13 mm  | 30      |
| 27-10000B | Blue silicone           | 6 x 20 x 0.13 mm  | 30      |
| 27-10001  | Clear silicone          | 6 x 40 x 0.13 mm  | 30      |
| 27-10001B | Blue silicone           | 6 x 40 x 0.13 mm  | 30      |
| 20-10685  | Clear silicone sheeting | 38 x 50 x 0.13 mm | 10      |
| 20-10685B | Blue silicone sheeting  | 38 x 50 x 0.13 mm | 10      |

For a complete line of silicone sheeting available see Sheet and Taping.



### EAR WICKS

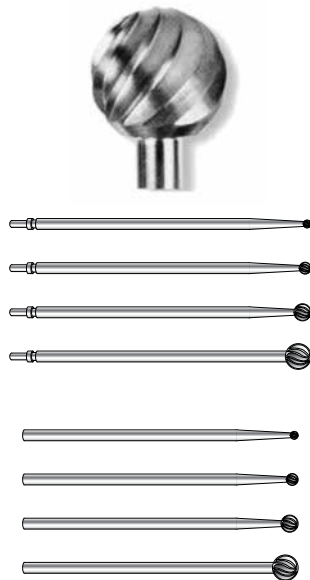
- PVA ear packs are soft, comfortable, conforming, absorbs quickly and expands evenly
- Packaged compressed and sterile

| Number    | Description                  | Dimensions   | Qty/Box |
|-----------|------------------------------|--------------|---------|
| 22-60108  | Ear Wick                     | 9 mm x 15 mm | 20      |
| 22-65108  | Ear Wick                     | 9 mm x 15 mm | 50      |
| 22-60110  | Ear Wick - long              | 9 mm x 24 mm | 20      |
| 22-65110  | Ear Wick - long              | 9 mm x 24 mm | 50      |
| 22-60108F | Ear Wick, Fenestrated        | 9 mm x 15 mm | 20      |
| 22-65108F | Ear Wick, Fenestrated        | 9 mm x 15 mm | 50      |
| 22-60110F | Ear Wick - long, Fenestrated | 9 mm x 24 mm | 20      |
| 22-65110F | Ear Wick - long, Fenestrated | 9 mm x 24 mm | 50      |

## BURS

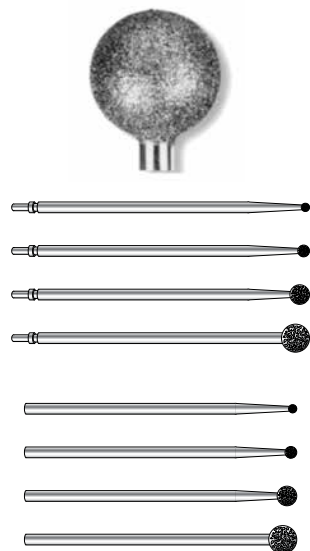
- Designed for use with straight shank drill systems and Xomed® power hand pieces
- Provided sterile

### Round Carbide



| Number w/ Notch | w/o Notch | Head Diameter (mm)         | Length (mm) | Number of Flutes |
|-----------------|-----------|----------------------------|-------------|------------------|
| BC-70050        | BC-70050P | 0.5                        | 70          | 4                |
| BC-70100        | BC-70100P | 1.0                        | 70          | 6                |
| BC-70150        | BC-70150P | 1.5                        | 70          | 6                |
| BC-70200        | BC-70200P | 2.0                        | 70          | 6                |
| BC-70250        | BC-70250P | 2.5                        | 70          | 6                |
| BC-70300        | BC-70300P | 3.0                        | 70          | 8                |
| BC-70350        | BC-70350P | 3.5                        | 70          | 8                |
| BC-70400        | BC-70400P | 4.0                        | 70          | 8                |
| BC-70450        | BC-70450P | 4.5                        | 70          | 10               |
| BC-70500        | BC-70500P | 5.0                        | 70          | 10               |
| BC-70550        | BC-70550P | 5.5                        | 70          | 10               |
| BC-70600        | BC-70600P | 6.0                        | 70          | 10               |
| BC-70650        | BC-70650P | 6.5                        | 70          | 10               |
| BC-70700        | BC-70700P | 7.0                        | 70          | 12               |
| BC-70000        | BC-70000P | Complete Set - one of each |             |                  |

### Round Diamond Bur



| Number w/ Notch | w/o Notch | Head Diameter (mm)                                    | Length (mm) | Style   |
|-----------------|-----------|-------------------------------------------------------|-------------|---------|
| BD-70050        | BD-70050P | 0.5                                                   | 70          | Diamond |
| BD-70100        | BD-70100P | 1.0                                                   | 70          | Diamond |
| BD-70150        | BD-70150P | 1.5                                                   | 70          | Diamond |
| BD-70200        | BD-70200P | 2.0                                                   | 70          | Diamond |
| BD-70250        | BD-70250P | 2.5                                                   | 70          | Diamond |
| BD-70300        | BD-70300P | 3.0                                                   | 70          | Diamond |
| BD-70350        | BD-70350P | 3.5                                                   | 70          | Diamond |
| BD-70400        | BD-70400P | 4.0                                                   | 70          | Diamond |
| BD-70500        | BD-70500P | 5.0                                                   | 70          | Diamond |
| BD-70600        | BD-70600P | 6.0                                                   | 70          | Diamond |
| BD-70000        | BD-70000P | Complete Set - one of each                            |             |         |
| O225300         |           | Bur Rack - Holds 34 straight shaft burs, length 70 mm |             |         |

### MYRINGOTOMY MICRO BLADES, TAPERED SHAFT

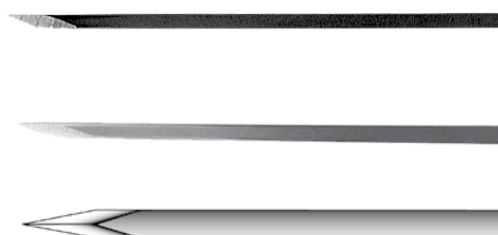
- Sterile



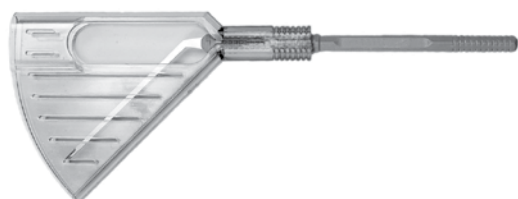
| Number   | Description                               |             |                | Qty/Box |
|----------|-------------------------------------------|-------------|----------------|---------|
| 60-08230 | Micro Otologic Blade                      | Upcutting   | Angled         | 6       |
| 60-08231 | Micro Otologic Blade                      | Downcutting | Angled         | 6       |
| 60-08232 | Micro Otologic Blade                      | Razor       | Straight shank | 6       |
| 60-08233 | Micro Otologic Blade                      | Spear       | Angled         | 6       |
| 60-08234 | Micro Otologic Blade                      | Spear       | Straight shank | 6       |
| 60-44820 | Stainless steel handle for tapered blades |             |                | 1       |

### MYRINGOTOMY KNIVES AND BLADES, FLAT SHAFT ANGLED

- Sterile



| Number   | Description       |           |          | Qty/Box |
|----------|-------------------|-----------|----------|---------|
| 60-45010 | Lance             | Adult     | Down cut | 6       |
| 60-45020 | Lance w/ handle   | Adult     | Down cut | 6       |
| 60-45030 | Lance             | Adult     | Up cut   | 6       |
| 60-45040 | Lance             | Pediatric | Down cut | 6       |
| 60-45050 | Lance with handle | Pediatric | Down cut | 6       |
| 60-45070 | Spear             | Pediatric |          | 6       |
| 60-45080 | Spear with handle | Pediatric |          | 6       |



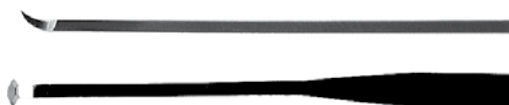
### MULTI-USE MYRINGOTOMY KNIVES WITH PROTECTIVE CAP

- Non-sterile, Auto-clavable

| Number  | Description |          | Qty/Box |
|---------|-------------|----------|---------|
| 34-2123 | Lance       | up cut   | 3       |
| 34-2124 | Lance       | down cut | 3       |

### TYMPANOPLASTY BLADES

- Sterile



| Number   | Description   |          | Qty/Box |
|----------|---------------|----------|---------|
| 60-46080 | Tympanoplasty | angled   | 6       |
| 60-46090 | Tympanoplasty | straight | 6       |
| 60-46100 | Sickle blade  |          | 6       |

### SPECIALTY MINI BLADES

- Sterile



| Number  | Description                   |  | Qty/Box |
|---------|-------------------------------|--|---------|
| 65-6400 | Round tip sharp               |  | 12      |
| 65-6500 | 15° pointed                   |  | 12      |
| 65-6600 | Lamellar blade straight       |  | 6       |
| 65-6900 | Straight 180° cutting surface |  | 6       |



### MYRINGOTOMY KNIVES AND BLADES, ROUND SHAFT

#### • Sterile

| Number      | Description                 |                |           | Qty/Box |
|-------------|-----------------------------|----------------|-----------|---------|
| 60-44040    | Lance on round handle       | Straight shaft | Pediatric | 6       |
| 60-44045    | Lance on round handle       | Angled shaft   | Pediatric | 6       |
| 60-40716    | Lance w/ flat black handle  | Straight shaft |           | 6       |
| 60-40716BSP | Lance w/ flat black handle  | Straight shaft |           | 100     |
| 60-40715    | Sickle w/ flat black handle | Straight shaft |           | 6       |
| 60-45090    | Sickle knife                | Straight shaft |           | 6       |

### STAINLESS STEEL CHUCK STYLE HANDLES

#### • Non-Sterile

| Number   | Description                                   |       |  | Qty/Box |
|----------|-----------------------------------------------|-------|--|---------|
| 60-44200 | Stainless steel handle for flat stock knives  | 10 cm |  | 1       |
| 60-44210 | Stainless steel handle for round stock knives | 10 cm |  | 1       |
| 60-44820 | Stainless steel handle for tapered knives     |       |  | 1       |
| 60-44201 | Replacement collet for handle #60-44200       |       |  | 1       |



### EAR CURETTE

#### • Non-Sterile

#### • Carbon fiber filled nylon

| Number     | Description                |            |  | Qty/Box |
|------------|----------------------------|------------|--|---------|
| NZ3431-100 | Ear Curette                | 3mm loop   |  | 100     |
| NZ3432-100 | Ear Curette                | 2.5mm loop |  | 100     |
| NZ3441-100 | Cerumen Hook, non-sterile  |            |  | 100     |
| NZ3461-100 | Rosen needle, slight curve |            |  | 100     |

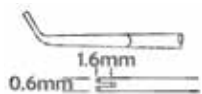




SINGLE USE

| Number   | Description                                                                                 | Length | Tynes | Qty/Box |
|----------|---------------------------------------------------------------------------------------------|--------|-------|---------|
| 23-10000 | Phenol Kit Contains:<br>Phenol liquified U.S P./N/F.<br>Disposable Applicator<br>Single Use |        |       | 5       |
| 23-10100 | Phenol Prepackaged Single<br>use bottle                                                     |        |       | 10      |

- Reusable
- Duberstein Type



| Number  | Description                               | Length  | Tynes             | Qty/Box |
|---------|-------------------------------------------|---------|-------------------|---------|
| O99610  | Round handle, stainless steel<br>Reusable | 15.7 cm | 0.63 mm x 1.57 mm | 1       |
| O99610B | Phenol Applicator, ebony<br>Reusable      |         |                   | 1       |



## INVOTEC EAR SPECULA

- New oval design of the cone and oblique cut end for improved line of sight
- New, wider, rim on the grip side for better stability when hand held
- For examination procedures
- Fits Peter's or Siegler's pneumatic otoscopes
- Hygienically packed
- Latex and PVC-free

| Number  | Description    | Qty/Box |
|---------|----------------|---------|
| Sterile |                |         |
| 606625S | 2.5 mm specula | 10      |
| 606640S | 4 mm specula   | 10      |
| 606650S | 5 mm specula   | 10      |
| 606660S | 6 mm specula   | 10      |
| 606680S | 8 mm specula   | 10      |

### Non-Sterile

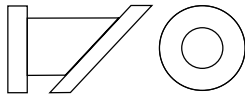
|        |                |    |
|--------|----------------|----|
| 606625 | 2.5 mm specula | 20 |
| 606630 | 3.0 mm specula | 20 |
| 606640 | 4 mm specula   | 20 |
| 606650 | 5 mm specula   | 20 |
| 606660 | 6 mm specula   | 20 |
| 606680 | 8mm specula    | 20 |



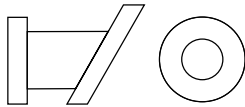
## DISPOSABLE MYRINGOTOMY KIT

- A ready made kit for Paracentesis Surgery
- Sterile, single-use

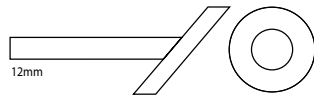
| Number    | Description                                                                                                                                                                                                                                                      | Qty/Box |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| NZ3246-5  | Myringotomy Kit:<br>(1) Myringotomy Knife, (1) Jobson Home Probe, (1) Rosen Inserter, (2) Bent suction tubes -16g and 20g, (1) Suction controller, (3) Specula - 4 mm, 5 mm, and 6 mm.                                                                           | 5       |
|           | Myringotomy Kit with 8 cm Forceps:<br>(1) Myringotomy Knife, (1) Jobson Home Probe, (1) Rosen Inserter, (2) Bent suction tubes -16g and 20g, (1) Suction controller, (3) Specula - 4 mm, 5 mm, and 6 mm, (1) Forceps - Stainless Steel - 7, Jaw.                 |         |
| NZ3248B-5 | Myringotomy Kit with 8 cm Forceps:<br>(1) Myringotomy Knife, (1) Jobson Home Probe, (1) Rosen Inserter, (2) Bent suction tubes -16g and 20g, (1) Suction controller, (3) Specula - 4 mm, 5 mm, and 6 mm, (1) Forceps - Stainless Steel - 7, Jaw.                 | 5       |
| NZ3270-5  | Myringotomy Kit with Stainless Steel Forceps:<br>(1) Myringotomy Knife, (1) Jobson Home Probe, (1) Rosen Inserter, (2) Bent suction tubes -16g and 20g, (1) Suction controller, (3) Specula - 4 mm, 5 mm, and 6 mm, (1) Forceps - Stainless Steel - 3.5 mm, Jaw. | 5       |
| NZ3271B-5 | Pediatrics Myringotomy Kit:<br>(1) Myringotomy Knife, (1) Jobson Home Probe - Oval, (1) Rosen Inserter, (2) Bent suction tubes -16g and 18g, (1) Suction controller, (3) Ear Specula - 3 mm, 4 mm, and 5 mm, (1) Forceps - Stainless Steel - Ultra fine.         | 5       |

**ARMSTRONG GROMMET**

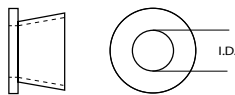
| Number   | Description       |         | Material | ID     | Qty/Box |
|----------|-------------------|---------|----------|--------|---------|
| 23-50800 | Armstrong Grommet | Sterile | Silicone | 1.14mm | 10      |

**MODIFIED ARMSTRONG GROMMET**

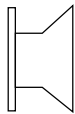
| Number   | Description                |         | Material | ID     | Qty/Box |
|----------|----------------------------|---------|----------|--------|---------|
| 23-40820 | Modified Armstrong Grommet | Sterile | FLPL     | 1.14mm | 10      |

**ARMSTRONG STRAIGHT SHANK**

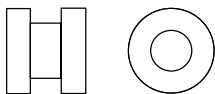
| Number   | Description              |         | Material | ID     | Qty/Box |
|----------|--------------------------|---------|----------|--------|---------|
| 23-50801 | Armstrong Straight Shank | Sterile | Silicone | 1.14mm | 10      |

**BAXTER BUTTON**

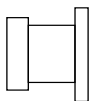
| Number    | Description         |         | Material | ID     | Qty/Box |
|-----------|---------------------|---------|----------|--------|---------|
| 23-41300  | Tapered Lumen       | Sterile | FLPL     | 1.27mm | 10      |
| 23-41300B | Tapered Lumen, Blue | Sterile | FLPL     | 1.27mm | 10      |

**BEVELED BOBBIN**

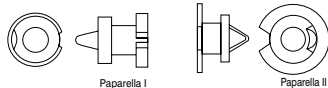
| Number   | Description    |         | Material | ID     | Qty/Box |
|----------|----------------|---------|----------|--------|---------|
| 23-41310 | Beveled Bobbin | Sterile | FLPL     | 1.14mm | 10      |

**DONALDSON STYLE**

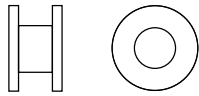
| Number   | Description                   |         | Material | ID     | Qty/Box |
|----------|-------------------------------|---------|----------|--------|---------|
| 23-40200 | Donaldson Grommet             | Sterile | FLPL     | 1.14mm | 10      |
| 23-40201 | Donaldson Grommet with wire   | Sterile | FLPL     | 1.14mm | 10      |
| 23-50200 | Donaldson Grommet with tab    | Sterile | Silicone | 1.14mm | 10      |
| 23-50210 | Donaldson Grommet without tab | Sterile | Silicone | 1.14mm | 10      |

**MINI TEF FLUOROPLASTIC**

| Number   | Description      |         | Material | ID     | Qty/Box |
|----------|------------------|---------|----------|--------|---------|
| 23-42076 | Invotec Tiny Tef | Sterile | FLPL     | 0.76mm | 10      |

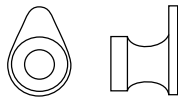
**PAPARELLA STYLE**

| Number   | Description  |         | Material | ID     | Qty/Box |
|----------|--------------|---------|----------|--------|---------|
| 23-50700 | Paparella I  | Sterile | Silicone | 1.00mm | 10      |
| 23-50720 | Paparella I  | Sterile | Silicone | 1.14mm | 10      |
| 23-50710 | Paparella II | Sterile | Silicone | 1.50mm | 10      |



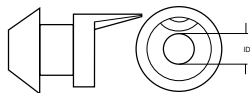
### REUTER BOBBIN STYLE

| Number    | Description             |         | Material | ID      | Qty/Box |
|-----------|-------------------------|---------|----------|---------|---------|
| 23-40400  | Reuter Bobbin           | Sterile | FLPL     | 1.14 mm | 10      |
| 23-40400B | Reuter Bobbin - Blue    | Sterile | FLPL     | 1.14 mm | 10      |
| 23-40401  | Reuter Bobbin with wire | Sterile | FLPL     | 1.14 mm | 10      |
| 23-40420  | Reuter Bobbin           | Sterile | FLPL     | 1.02 mm | 10      |
| 23-60400  | Reuter Bobbin           | Sterile | Titanium | 1.14 mm | 10      |
| 23-60401  | Reuter Bobbin with wire | Sterile | Titanium | 1.14 mm | 10      |
| 23-60427  | Reuter Bobbin           | Sterile | Titanium | 1.27 mm | 10      |
| 23-61401  | Reuter Bobbin           | Sterile | Titanium | 1.09 mm | 10      |



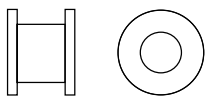
### SHAH STYLE

| Number   | Description            |         | Material | ID      | Qty/Box |
|----------|------------------------|---------|----------|---------|---------|
| 23-40500 | Shah Grommet           | Sterile | FLPL     | 1.14 mm | 10      |
| 23-40501 | Shah Grommet with wire | Sterile | FLPL     | 1.14 mm | 10      |



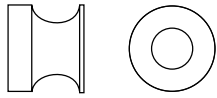
### SHEA PARASOL VENT TUBE

| Number   | Description           |         | Material | ID      | Qty/Box |
|----------|-----------------------|---------|----------|---------|---------|
| 23-50536 | Shea Parasol with tab | Sterile | Silicone | 1.02 mm | 10      |



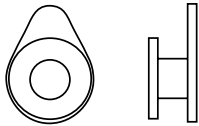
### SHEEHY COLLAR BUTTON

| Number    | Description                    |         | Material | ID      | Qty/Box |
|-----------|--------------------------------|---------|----------|---------|---------|
| 10076     | Sheehy Collar Button           | Sterile | Titanium | 0.76 mm | 10      |
| 10100     | Sheehy Collar Button           | Sterile | Titanium | 1.0 mm  | 10      |
| 10100-F   | Sheehy Collar Button           | Sterile | Titanium | 1.0 mm  | 10      |
| 10125     | Sheehy Collar Button           | Sterile | Titanium | 1.25 mm | 10      |
| 10125-F   | Sheehy Collar Button           | Sterile | Titanium | 1.25 mm | 10      |
| 10150     | Sheehy Collar Button           | Sterile | Titanium | 1.50mm  | 10      |
| 10150-F   | Sheehy Collar Button           | Sterile | Titanium | 1.50mm  | 10      |
| 23-40300  | Sheehy Collar Button           | Sterile | FLPL     | 1.27mm  | 10      |
| 23-40300B | Sheehy Collar Button - Blue    | Sterile | FLPL     | 1.27mm  | 10      |
| 23-40301  | Sheehy Collar Button with wire | Sterile | FLPL     | 1.27mm  | 10      |
| 23-50300  | Sheehy Collar Button           | Sterile | Silicone | 1.27mm  | 10      |



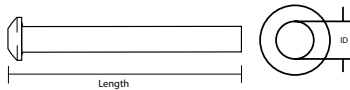
## SHEPARD STYLE GROMMET

| Number      | Description                      |         | Material | ID      | Qty/Box |
|-------------|----------------------------------|---------|----------|---------|---------|
| 23-40100-S  | Shepard Grommet                  | Sterile | FLPL     | 1.14 mm | 10      |
| 23-40100-SB | Shepard Grommet - Blue           | Sterile | FLPL     | 1.14 mm | 10      |
| 23-40101-S  | Shepard Grommet with wire        | Sterile | FLPL     | 1.14 mm | 10      |
| 23-40101-SB | Shepard Grommet with wire - Blue | Sterile | FLPL     | 1.14 mm | 10      |
| 101100      | Shepard Grommet                  | Sterile | Titanium | 1.0 mm  | 10      |
| 101100-F    | Shepard Grommet with wire        | Sterile | Titanium | 1.0 mm  | 10      |
| 101125      | Shepard Grommet                  | Sterile | Titanium | 1.25 mm | 10      |
| 101125-F    | Shepard Grommet with wire        | Sterile | Titanium | 1.25 mm | 10      |
| 23-40120    | Shepard Grommet                  | Sterile | FLPL     | 1.02 mm | 10      |
| 23-40121    | Shepard Grommet with wire        | Sterile | FLPL     | 1.02 mm | 10      |



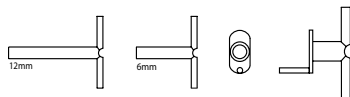
## SPOON BOBBIN STYLE

| Number   | Description  |         | Material | ID      | Qty/Box |
|----------|--------------|---------|----------|---------|---------|
| 23-60500 | Spoon Bobbin | Sterile | Titanium | 1.14 mm | 10      |



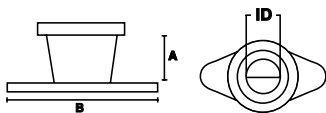
## STRAIGHT SHANK VENT TUBE

| Number   | Description              |         | Material | ID      | Length | Qty/Box |
|----------|--------------------------|---------|----------|---------|--------|---------|
| 23-41100 | Straight Shank Vent Tube | Sterile | FLPL     | .089 mm | 12 mm  | 10      |
| 23-41110 | Straight Shank Vent Tube | Sterile | FLPL     | 1.14 mm | 12 mm  | 10      |
| 23-41120 | Straight Shank Vent Tube | Sterile | FLPL     | .089 mm | 7 mm   | 10      |
| 23-41130 | Straight Shank Vent Tube | Sterile | FLPL     | 1.14 mm | 7 mm   | 10      |



## T-TUBES

| Number   | Description     |         | Material | ID      | Qty/Box |
|----------|-----------------|---------|----------|---------|---------|
| 23-50600 | T-Tube          | Sterile | Silicone | 1.14 mm | 10      |
| 23-50601 | T-Tube Modified | Sterile | Silicone | 1.32 mm | 10      |
| 23-50610 | T-Grommet       | Sterile | Silicone | 1.14 mm | 10      |



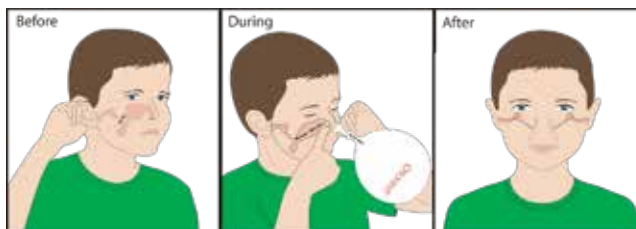
## ULTRA VENT

| Number   | Description         |         | Material | ID      | Qty/Box |
|----------|---------------------|---------|----------|---------|---------|
| 23-50900 | A=1.37 mm, B=4.5 mm | Sterile | Silicone | 1.27 mm | 10      |

### OTOVENT® MIDDLE EAR AUTO INFLATION SYSTEM

Otovent can prevent or treat Otitis Media and be an attractive alternative to surgery. Otovent treats many of the complications associated with negative ear pressure caused by Eustachian tube dysfunction.

- Frequent treatments are painless and regarded as “fun” by children
- Typically satisfying results early on; compliance is very high
- Effective without drugs and with no known side effects
- May avoid or delay recourse to surgery or ventilation tubes
- Very low treatment cost



**BEFORE:** Otitis Media, Eustachian tube dysfunction Negative pressure, pain, impaired hearing, learning problems.

**DURING:** Controlled pressure is transmitted through the nose and Eustachian tube to the middle ear pressure is balanced.

**AFTER:** Pain relief, hearing restored and improved prognosis.

### OTOVENT TREATMENT SET

Each Kit Contains: one nose piece made of PVC, one instruction leaflet, and 10 pressure tested latex balloons

| Number    | Description             | Qty/Box         |
|-----------|-------------------------|-----------------|
| 90-00000  | Otovent Kits, 1 Case*   | 12 patient kits |
| 90-00001  | Otovent Kits, 1/2 Case* | 6 patient kits  |
| 90-00005  | Otovent Adult, 1 Kit*   | 1 patient kit   |
| 90-00000B | Otovent balloons*       | 5 per pack      |

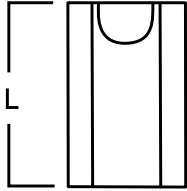
\* Contains latex



L = Total Length  
FL = Functional Length

## DENSE HA INCUS STRUT

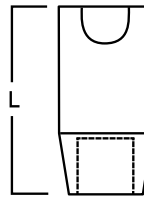
• Columella O.D.: 2.00



| Number           | Length (MM) |
|------------------|-------------|
| INCUS 07.17.275C | 2.75        |
| INCUS 07.17.325C | 3.25        |
| INCUS 07.17.375C | 3.75        |
| INCUS07.17.490C  | 4.90        |

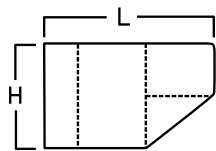
## TITANIUM INCUS STRUT

• Columella O.D.: 2.00 / Columella I.D.: 1.20



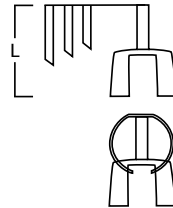
| Number        | Length (MM) |
|---------------|-------------|
| PAP 07.56.300 | 3.00        |
| PAP 07.56.400 | 4.00        |
| PAP 07.56.500 | 5.00        |

## DENSE HA PARTIAL INCUS ISJ



| Number      | Dimensions             |
|-------------|------------------------|
| INCUS 07.32 | L = 2.50 mm H= 1.60 mm |

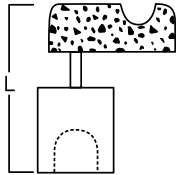
## TITANIUM INCUS GRIP REPLACEMENT



| Number    | Dimensions                                  |
|-----------|---------------------------------------------|
| PAP 07.53 | Total length: 1.90 mm<br>Thickness: 0.05 mm |

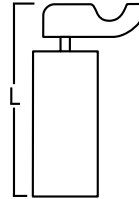
## POROUS HA ADJUSTABLE PARTIAL WITH MALLEUS SLOT

• Platinum wire  
• Columella O.D.: 2.10



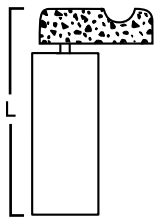
| Number        | L (MM) | Number        | L (MM) |
|---------------|--------|---------------|--------|
| PAP 07.34.400 | 4.00   | PAP 07.34.550 | 5.50   |
| PAP 07.34.450 | 4.50   | PAP 07.34.600 | 6.00   |
| PAP 07.34.500 | 5.00   |               |        |

## DENSE HA AND PE INCUS REPLACEMENT WITH MALLEABLE HEAD



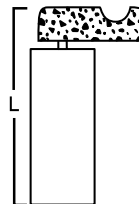
| Number    | Dimensions                                                                                           |
|-----------|------------------------------------------------------------------------------------------------------|
| PAP 07.43 | Total Length (L): 6.50 mm<br>Head: 3.50<br>Platinum wire O.D.: 0.25<br>Columella external O.D.: 2.20 |

## POROUS HA HEAD WITH MALLEUS SLOT, PTFE SHAFT



| Number    | Dimensions                                                                                                             |
|-----------|------------------------------------------------------------------------------------------------------------------------|
| PAP 07.36 | Total Length (L): 6.50 to 3.00 mm<br>Head O.D.: 3.50 mm<br>Platinum Wire O.D.: 0.25 mm<br>PTFE Columella O.D.: 2.10 mm |

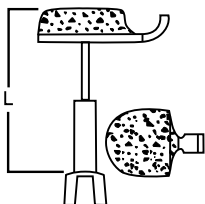
## POROUS HA AND PE ADJUSTABLE PARTIAL WITH MALLEUS SLOT



| Number    | Dimensions                                                                                                                 |
|-----------|----------------------------------------------------------------------------------------------------------------------------|
| PAP 07.38 | Total Length (L): 6.50 to 3.00 mm<br>Head O.D.: 3.50 mm<br>Platinum Wire O.D.: 0.25 mm<br>Audio-PE Columella O.D.: 2.10 mm |

## POROUS HA / PTFE / TITANIUM UNIVERSAL TOTAL/PARTIAL WITH MALLEUS HOOK

• Columella inside O.D.: 1.10

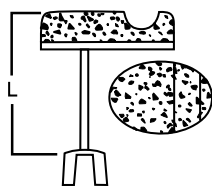


| Number    | Dimensions                                                                                                           |
|-----------|----------------------------------------------------------------------------------------------------------------------|
| TPL 07.59 | Partial: Minimum Length: 3.50<br>Columella outside O.D.: 1.30<br>Total: Maximum length: 7.50<br>Columella O.D.: 0.60 |

L = Total Length  
FL = Functional Length

### POROUS HA / TITANIUM INCUS WITH MALLEUS SLOT

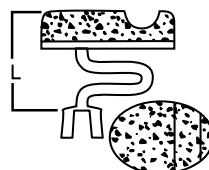
• Columella O.D.: 1.30 / Columella I.D.: 1.10



| Number        | L (mm) | Number        | L (mm) |
|---------------|--------|---------------|--------|
| PAP 07.66.175 | 1.75   | PAP 07.66.325 | 3.25   |
| PAP 07.66.200 | 2.00   | PAP 07.66.350 | 3.50   |
| PAP 07.66.225 | 2.25   | PAP 07.66.400 | 4.00   |
| PAP 07.66.250 | 2.50   | PAP 07.66.450 | 4.50   |
| PAP 07.66.275 | 2.75   | PAP 07.66.500 | 5.00   |
| PAP 07.66.300 | 3.00   |               |        |

### POROUS HA / TITANIUM EXTENSIBLE INCUS WITH MALLEUS SLOT

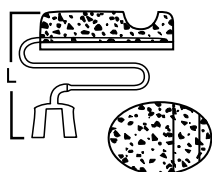
• Extendable Stem



| Number    | Dimensions                                                     |
|-----------|----------------------------------------------------------------|
| PAP 07.68 | Total Length (L): 2.50 to 5.00 mm<br>Head size: 3.50 x 2.50 mm |

### POROUS HA / TITANIUM INCUS WITH MALLEUS SLOT

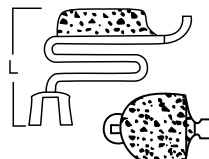
• Columella O.D.: 1.30 / Columella I.D.: 1.10



| Number        | Extended L (mm) | Compressed L (mm) |
|---------------|-----------------|-------------------|
| PAP 07.60.250 | 2.50            | 1.80              |
| PAP 07.60.300 | 3.00            | 2.30              |
| PAP 07.60.350 | 3.50            | 2.80              |
| PAP 07.60.400 | 4.00            | 3.30              |
| PAP 07.60.450 | 4.50            | 3.80              |
| PAP 07.60.500 | 5.00            | 4.30              |

### POROUS HA / TITANIUM REPLACEMENT INCUS WITH MALLEUS SLOT

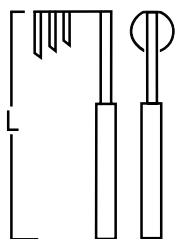
• Extendable Stem



| Number    | Length        |
|-----------|---------------|
| PAP 07.72 | 2.0 to 5.0 mm |

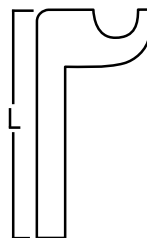
L = Total Length  
FL = Functional Length

## TITANIUM/PTFE TRIMMABLE INCUS STAPES



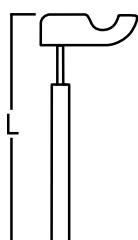
| Number    | Dimensions                                                                                     |
|-----------|------------------------------------------------------------------------------------------------|
| TAP 07.52 | Total Length: 6.25 to 4.50 mm<br>Titanium F67 Gr.2<br>Thickness: 0.05 mm<br>PTFE O.D.: 0.60 mm |

## DENSE HA I-S "MARPLA" BY E. GARCIA IBANEZ - WEHRS TYPE



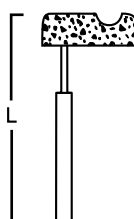
| Number    | Dimensions                                                                |
|-----------|---------------------------------------------------------------------------|
| TAP 07.54 | Total Length: 8.00 mm<br>Head: 4.00 mm<br>Columella width: 1.00 x 0.80 mm |

## DENSE HA AND PE I-S PROSTHESIS WITH MALLEABLE HEAD



| Number    | Dimensions                                                                                |
|-----------|-------------------------------------------------------------------------------------------|
| TAP 07.42 | Total Length: 8.00 mm<br>Head: 3.50 mm<br>Platinum Wire O.D.: 0.20<br>Audio-PE O.D.: 0.75 |

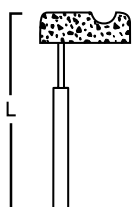
## POROUS HA AND PE MALLEABLE I-S WITH MALLEUS SLOT



| Number    | Dimensions                                                                                                                 |
|-----------|----------------------------------------------------------------------------------------------------------------------------|
| TAP 07.37 | Total Length (L): 8.00 to 3.25 mm<br>Head O.D.: 3.50 mm<br>Platinum Wire O.D.: 0.20 mm<br>Audio-PE Columella O.D.: 0.60 mm |

## POROUS HA AND PTFE MALLEABLE INCUS STAPES WITH MALLEUS SLOT

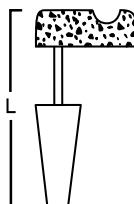
• Platinum wire



| Number    | Dimensions                                                                                                                 |
|-----------|----------------------------------------------------------------------------------------------------------------------------|
| TAP 07.35 | Total Length (L): 8.00 to 3.25 mm<br>Head O.D.: 3.50 mm<br>Platinum Wire O.D.: 0.20 mm<br>Audio-PE Columella O.D.: 0.60 mm |

## POROUS AND DENSE HA MALLEABLE I-S

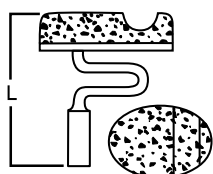
• Platinum wire  
• Lower End Columella O.D.: 0.65



| Number        | Length (mm) |
|---------------|-------------|
| TAP 07.33.550 | 5.50        |
| TAP 07.33.600 | 6.00        |
| TAP 07.33.650 | 6.50        |
| TAP 07.33.700 | 7.00        |
| TAP 07.33.750 | 7.50        |
| TAP 07.33.800 | 8.00        |

## TITANIUM / POROUS HA ADJUSTABLE I-S WITH MALLEUS SLOT

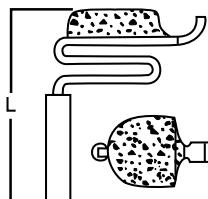
• Extendable stem



| Number    | Dimensions                                                     |
|-----------|----------------------------------------------------------------|
| TAP 07.67 | Total Length (L): 4.00 to 8.00 mm<br>Head size: 3.50 x 2.50 mm |

## TITANIUM / POROUS HA ADJUSTABLE I-S WITH MALLEUS HOOK

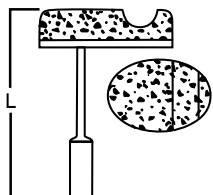
• Extendable stem



| Number    | Dimensions                                                                                |
|-----------|-------------------------------------------------------------------------------------------|
| TAP 07.58 | Total Length (L): 5.00 to 8.50 mm<br>Head size: 3.50 x 2.50 mm<br>Columella O.D.: 0.60 mm |

## TITANIUM / POROUS HA I-S WITH MALLEUS SLOT

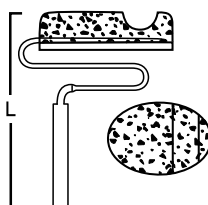
• Columella O.D.: 0.60



| Number        | L (MM) | Number        | 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   |

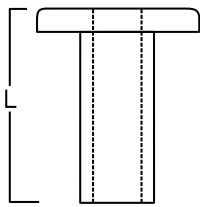
## TITANIUM / PTFE / HAP SPRING TOTAL

• Wire O.D.: 0.20 mm  
• PTFE O.D.: 0.6 mm



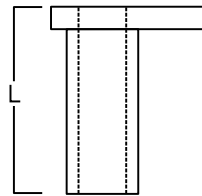
| Number    | Extended L (MM) | Compressed L (MM) |
|-----------|-----------------|-------------------|
| TAP 07.71 | 8.00 - 4.00     | 7.30 - 3.30       |

#### PE PARTIAL



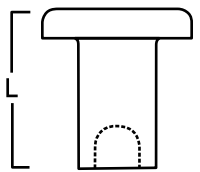
| Number    | Dimensions                                           |
|-----------|------------------------------------------------------|
| PAP 07.10 | Total Length (L): 5.00 mm<br>Columella O.D.: 2.10 mm |

#### PE OFFSET PARTIAL



| Number    | Dimensions                                           |
|-----------|------------------------------------------------------|
| TPL 07.02 | Total Length (L): 5.00 mm<br>Columella O.D.: 1.80 mm |

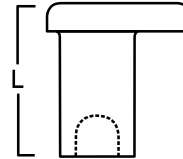
#### DENSE HA PARTIAL



• Columella O.D.: 2.10

| Number        | Dimensions |
|---------------|------------|
| PAP 07.12.300 | 3.00       |
| PAP 07.12.350 | 3.50       |
| PAP 07.12.400 | 4.00       |
| PAP 07.12.450 | 4.50       |
| PAP 07.12.500 | 5.00       |

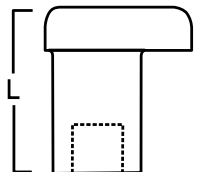
#### HA OFFSET PARTIAL



• Columella O.D.: 2.00

| Number        | Dimensions |
|---------------|------------|
| TPL 07.06.300 | 3.00       |
| TPL 07.06.350 | 3.50       |
| TPL 07.06.400 | 4.00       |
| TPL 07.06.450 | 4.50       |
| TPL 07.06.500 | 5.00       |

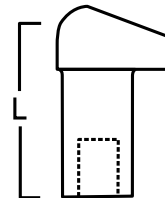
#### DENSE HA 90° OVAL HEAD PARTIAL



• Columella O.D.: 2.00

| Number        | Length  |
|---------------|---------|
| PAP 07.15.300 | 3.00 mm |
| PAP 07.15.350 | 3.50 mm |
| PAP 07.15.400 | 4.00 mm |
| PAP 07.15.450 | 4.50 mm |
| PAP 07.15.500 | 5.00 mm |

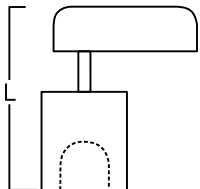
#### DENSE HA 75° OVAL HEAD PARTIAL



• Columella O.D.: 2.00

| Number        | Length  |
|---------------|---------|
| PAP 07.16.300 | 3.00 mm |
| PAP 07.16.350 | 3.50 mm |
| PAP 07.16.400 | 4.00 mm |
| PAP 07.16.450 | 4.50 mm |
| PAP 07.16.500 | 5.00 mm |

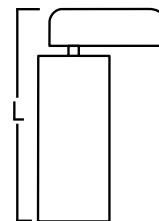
#### DENSE HA MALLEABLE PARTIAL



• Platinum wire  
• Columella O.D.: 2.00

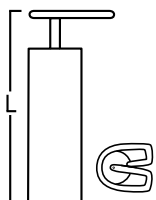
| Number        | L (MM) | Number        | L (MM) |
|---------------|--------|---------------|--------|
| TPL 07.08.350 | 3.50   | TPL 07.08.500 | 5.00   |
| TPL 07.08.400 | 4.00   | TPL 07.08.550 | 5.50   |
| TPL 07.08.450 | 4.50   | TPL 07.08.600 | 6.00   |

#### DENSE HA AND PE PARTIAL WITH MALLEABLE HEAD



| Number    | Dimensions                                                                                                    |
|-----------|---------------------------------------------------------------------------------------------------------------|
| PAP 07.41 | Total Length (L): 6.50 mm<br>Head: 3.50 mm<br>Platinum wire O.D.: 0.25 mm<br>Columella external O.D.: 2.20 mm |

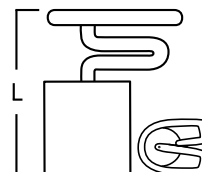
#### PE PARTIAL WITH MALLEABLE GOLD HEAD



• Trimmable PE columella

| Number    | Dimensions                                                                                                         |
|-----------|--------------------------------------------------------------------------------------------------------------------|
| PAP 07.47 | Total Length (L): 6.50 to 2.75 mm<br>Gold Wire O.D.: 0.30 mm<br>Columella O.D.: 1.80 mm<br>Columella I.D.: 1.20 mm |

#### GOLD AND PE PARTIAL WITH MALLEABLE HEAD

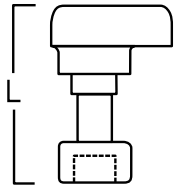


• Extendable stem

| Number    | Dimensions                                                                                                                          |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------|
| PAP 07.49 | Total Length (L): 2.75 to 6.50 mm<br>Head: 3.00 mm<br>Gold Wire O.D.: 0.30 mm<br>Columella O.D.: 1.80 mm<br>Columella I.D.: 1.20 mm |

L = Total Length  
FL = Functional Length

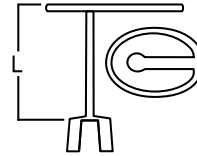
#### DENSE HA TELESCOPIC UNIVERSAL PARTIAL / TOTAL



• Columella O.D.: 2.10

| Number        | Dimensions          |
|---------------|---------------------|
| PAP 07.19.350 | 3.50 min / 4.20 max |
| PAP 07.19.400 | 4.00 min / 4.70 max |
| PAP 07.19.450 | 4.50 min / 5.20 max |
| PAP 07.19.500 | 5.00 min / 5.70 max |
| PAP 07.19.550 | 5.50 min / 6.20 max |
| PAP 07.19.600 | 6.00 min / 6.70 max |

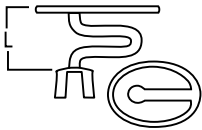
#### TITANIUM PARTIAL



• Columella O.D.: 1.30 / Columella I.D.: 1.10

| Number        | L (MM) | Number        | L (MM) |
|---------------|--------|---------------|--------|
| PAP 07.62.175 | 1.75   | PAP 07.62.325 | 3.25   |
| PAP 07.62.200 | 2.00   | PAP 07.62.350 | 3.50   |
| PAP 07.62.225 | 2.25   | PAP 07.62.400 | 4.00   |
| PAP 07.62.250 | 2.50   | PAP 07.62.450 | 4.50   |
| PAP 07.62.275 | 2.75   | PAP 07.62.500 | 5.00   |
| PAP 07.62.300 | 3.00   |               |        |

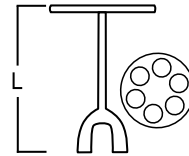
#### TITANIUM ADJUSTABLE PARTIAL



• Extendable Stem

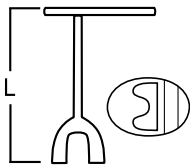
| Number    | Dimensions                                                     |
|-----------|----------------------------------------------------------------|
| PAP 07.64 | Total Length (L): 2.00 to 6.00 mm<br>Head size: 3.50 x 2.50 mm |

#### TITANIUM PARTIAL WITH SLITS IN BELL



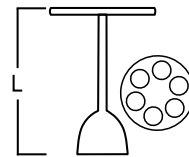
| Number | L (MM) | Number | L (MM) |
|--------|--------|--------|--------|
| 12705  | 0.50   | 12720  | 2.00   |
| 12710  | 1.00   | 12722  | 2.25   |
| 12712  | 1.25   | 12725  | 2.50   |
| 12715  | 1.50   | 12730  | 3.00   |
| 12717  | 1.75   | 12735  | 3.50   |

#### TITANIUM PARTIAL OFFSET WITH MALLEUS GROOVE



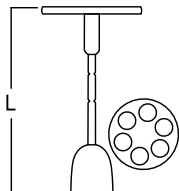
| Number | L (MM) | Number | L (MM) |
|--------|--------|--------|--------|
| 12805  | 0.50   | 12820  | 2.00   |
| 12810  | 1.00   | 12822  | 2.25   |
| 12812  | 1.25   | 12825  | 2.50   |
| 12815  | 1.50   | 12830  | 3.00   |
| 12817  | 1.75   | 12835  | 3.50   |

#### TITANIUM PARTIAL



| Number | L (MM) | Number | L (MM) |
|--------|--------|--------|--------|
| 12905  | 0.50   | 12920  | 2.00   |
| 12910  | 1.00   | 12922  | 2.25   |
| 12912  | 1.25   | 12925  | 2.50   |
| 12915  | 1.50   | 12830  | 3.00   |
| 12917  | 1.75   | 12835  | 3.50   |

#### TITANIUM ADJUSTABLE PARTIAL TRIMMABLE SHAFT

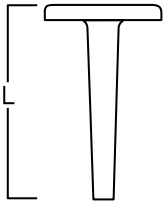


• Trimmable in 1 mm increments

| Number | Dimensions      |
|--------|-----------------|
| 12100  | 5.50 to 2.50 mm |
| 12200  | 5.00 to 2.00 mm |

#### PE TOTAL

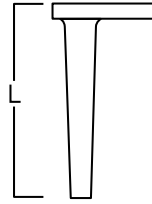
- Columella O.D.: 0.70



| Number        | Length (MM) |
|---------------|-------------|
| TAP 07.09.600 | 6.00        |
| TAP 07.09.700 | 7.00        |
| TAP 07.09.800 | 8.00        |

#### PE OFFSET TOTAL

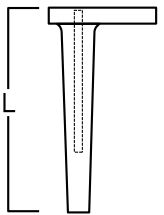
- Columella O.D.: 0.65



| Number        | Length (MM) |
|---------------|-------------|
| TPL 07.04.600 | 6.00        |
| TPL 07.04.700 | 7.00        |
| TPL 07.04.800 | 8.00        |

#### PE MALLEABLE OFFSET TOTAL

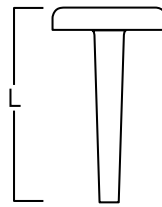
- Platinum core



| Number    | Dimensions                                           |
|-----------|------------------------------------------------------|
| TPL 07.03 | Total Length (L): 8.00 mm<br>Columella O.D.: 0.70 mm |

#### DENSE HA TOTAL

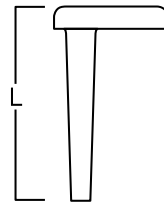
- Columella O.D.: 0.65



| Number        | L (MM) | Number        | L (MM) |
|---------------|--------|---------------|--------|
| TAP 07.11.500 | 5.00   | TAP 07.11.700 | 7.00   |
| TAP 07.11.550 | 5.50   | TAP 07.11.750 | 7.50   |
| TAP 07.11.600 | 6.00   | TAP 07.11.800 | 8.00   |
| TAP 07.11.650 | 6.50   |               |        |

#### DENSE HA OFFSET TOTAL

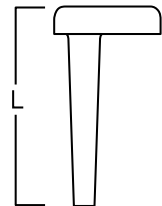
- Columella O.D.: 0.70



| Number        | L (MM) | Number        | L (MM) |
|---------------|--------|---------------|--------|
| TPL 07.05.500 | 5.00   | TPL 07.05.700 | 7.00   |
| TPL 07.05.550 | 5.50   | TPL 07.05.750 | 7.50   |
| TPL 07.05.600 | 6.00   | TPL 07.05.800 | 8.00   |
| TPL 07.05.650 | 6.50   |               |        |

#### DENSE HA PARTIAL

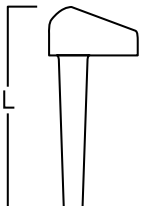
- Columella O.D.: 0.75



| Number        | L (MM) | Number        | L (MM) |
|---------------|--------|---------------|--------|
| TAP 07.13.500 | 5.00   | TAP 07.13.700 | 7.00   |
| TAP 07.13.550 | 5.50   | TAP 07.13.750 | 7.50   |
| TAP 07.13.600 | 6.00   | TAP 07.13.800 | 8.00   |
| TAP 07.13.650 | 6.50   |               |        |

#### DENSE HA 75° OVAL HEAD TOTAL

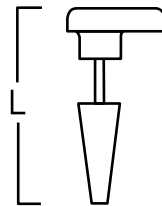
- Columella O.D.: 0.70



| Number        | L (MM) | Number        | L (MM) |
|---------------|--------|---------------|--------|
| TAP 07.14.500 | 5.00   | TAP 07.14.700 | 7.00   |
| TAP 07.14.550 | 5.50   | TAP 07.14.750 | 7.50   |
| TAP 07.14.600 | 6.00   | TAP 07.14.800 | 8.00   |
| TAP 07.14.650 | 6.50   |               |        |

#### DENSE HA MALLEABLE TOTAL

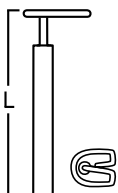
- Platinum Wire
- Columella O.D.: 0.65



| Number        | L (MM) | Number        | L (MM) |
|---------------|--------|---------------|--------|
| TPL 07.07.550 | 5.50   | TPL 07.07.700 | 7.00   |
| TPL 07.07.600 | 6.00   | TPL 07.07.750 | 7.50   |
| TPL 07.07.650 | 6.50   | TPL 07.07.800 | 8.00   |

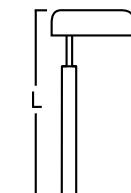
#### PTFE TOTAL WITH MALLEABLE GOLD HEAD AND SHAFT

- Trimmable PTFE columella



| Number    | Dimensions                                                                                          |
|-----------|-----------------------------------------------------------------------------------------------------|
| TAP 07.46 | Total Length (L): 8.00 to 4.50 mm<br>Head: 3.00 mm<br>Gold wire O.D.: 0.30 mm<br>PTFE O.D.: 0.80 mm |

#### DENSE HA AND PTFE MALLEABLE TOTAL

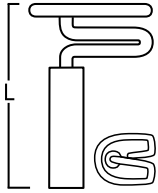


| Number    | Dimensions                                                                                                         |
|-----------|--------------------------------------------------------------------------------------------------------------------|
| TAP 07.40 | Total Length (L): 8.00 mm<br>Head O.D.: 3.50 mm<br>Platinum Wire O.D.: 0.20 mm<br>Audio-PE Columella O.D.: 0.75 mm |

L = Total Length  
FL = Functional Length

#### ADJUSTABLE TOTAL WITH GOLD HEAD AND SHAFT WITH PTFE COLUMELLA

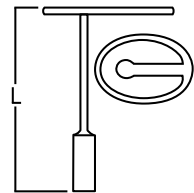
• Extendable stem



| Number    | Dimensions                                                                                          |
|-----------|-----------------------------------------------------------------------------------------------------|
| TAP 07.48 | Total Length (L): 4.00 to 9.00 mm<br>Head: 3.00 mm<br>Gold Wire O.D.: 0.30 mm<br>PTFE O.D.: 0.80 mm |

#### TITANIUM TOTAL

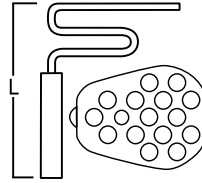
• Columella O.D.: 0.60



| Number        | L (MM) | Number        | 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 ADJUSTABLE TOTAL

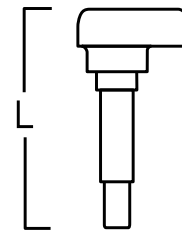
• Extendable stem



| Number    | Dimensions                                                     |
|-----------|----------------------------------------------------------------|
| TAP 07.55 | Total Length (L): 5.00 to 8.50 mm<br>Head size: 3.80 x 3.00 mm |

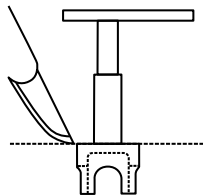
#### DENSE HA TELESCOPIC TOTAL TRIMMABLE

• Piston O.D.: 0.80



| Number        | Dimensions (MM)     |
|---------------|---------------------|
| TAP 07.18.500 | 5.00 min / 5.70 max |
| TAP 07.18.550 | 5.50 min / 6.20 max |
| TAP 07.18.600 | 6.00 min / 6.70 max |
| TAP 07.18.650 | 6.50 min / 7.20 max |
| TAP 07.18.700 | 7.00 min / 7.70 max |
| TAP 07.18.750 | 7.50 min / 8.20 max |
| TAP 07.18.800 | 8.00 min / 8.70 max |

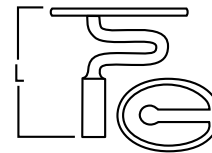
#### TITANIUM ADJUSTABLE TOTAL AND PARTIAL UNIVERSAL



| Number    | Dimensions                                                                                                                                                    |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TPL 07.57 | Partial:<br>Minimum length: 3.50 mm<br>Columella O.D.: 1.80 mm<br>Columella I.D.: 1.20 mm<br><br>Total:<br>Maximum length: 8.50 mm<br>Columella O.D.: 0.70 mm |

#### TITANIUM ADJUSTABLE TOTAL

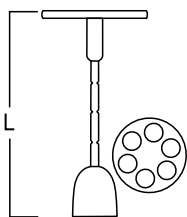
• Extendable Stem



| Number    | Dimensions                                                     |
|-----------|----------------------------------------------------------------|
| TAP 07.63 | Total Length (L): 3.00 to 8.00 mm<br>Head size: 3.50 x 2.50 mm |

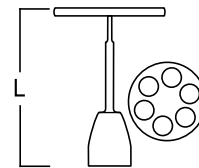
#### TITANIUM TRIMMABLE TOTAL WITH SEPARATE HEAD

• Trimmable in 1 mm increments



| Number | Dimensions     |
|--------|----------------|
| 11300  | 7.5 to 3.50 mm |
| 11400  | 7.0 to 3.00 mm |

#### TITANIUM TOTAL FIXED LENGTH WITH ADJUSTABLE CENTERED HEAD

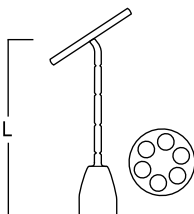


\*Fixed head

| Number | L (MM) | Number | L (MM) |
|--------|--------|--------|--------|
| 11930* | 3.00   | 11947  | 4.75   |
| 11935  | 3.50   | 11950  | 5.00   |
| 11940  | 4.00   | 11960  | 6.00   |
| 11942  | 4.25   | 11965  | 6.50   |
| 11945  | 4.50   | 11970  | 7.00   |

#### TITANIUM TOTAL TRIMMABLE LENGTH WITH ADJUSTABLE CENTERED HEAD WITH SEPARATE SHOES

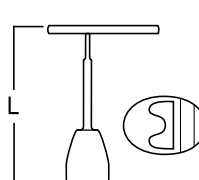
• Trimmable PTFE columella



| Number | Dimensions      |
|--------|-----------------|
| 11500  | 7.50 to 2.80 mm |
| 11600  | 7.30 to 2.30 mm |

#### TITANIUM MALLEABLE TRIMMABLE TOTAL WITH ADJUSTABLE HEAD AND SEPARATE SHOE

• Trimmable PTFE columella

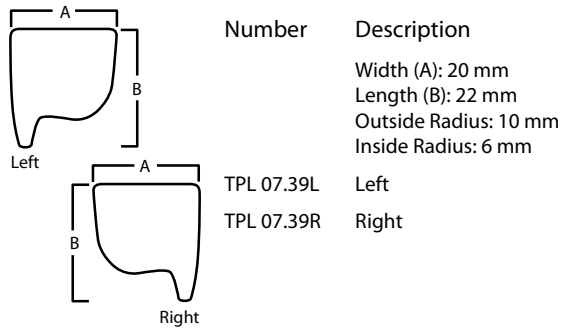


\*Fixed head

| Number | L (MM) | Number | L (MM) |
|--------|--------|--------|--------|
| 11830* | 3.00   | 11847  | 4.75   |
| 11835  | 3.50   | 11850  | 5.00   |
| 11840  | 4.00   | 11860  | 6.00   |
| 11842  | 4.25   | 11865  | 6.50   |
| 11845  | 4.50   | 11870  | 7.00   |

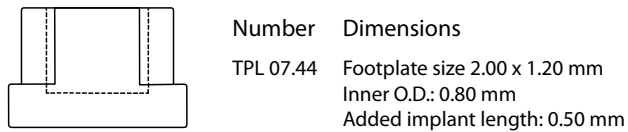
L = Total Length  
FL = Functional Length

#### DENSE HA POSTERIOR CANAL WALL

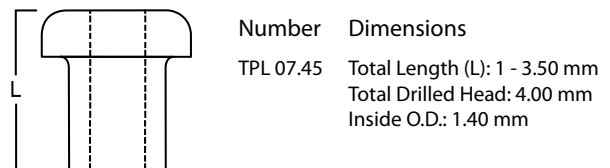


#### Caps and Shoe

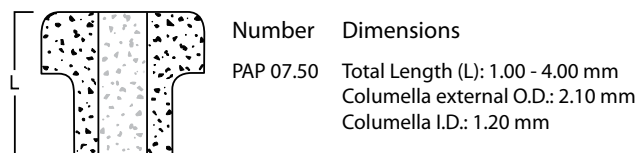
#### DENSE HA FOOTPLATE SHOE



#### DENSE HA PROSTHESIS "MARPLA" BY E. GARCIA IBANEZ

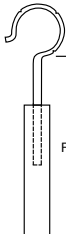


#### POROUS HA CAP

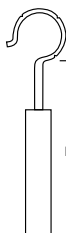


L = Total Length  
FL = Functional Length

## PLATINUM AND PTFE PROSTHESES FOR STAPEDECTOMY AND STAPEDOTOMY

|  |             |               | Piston O.D.: 0.40 | Piston O.D.: 0.50 | Piston O.D.: 0.60 | Piston O.D.: 0.80 |
|-----------------------------------------------------------------------------------|-------------|---------------|-------------------|-------------------|-------------------|-------------------|
|                                                                                   | FL / L      | Number        | Number            | Number            | Number            | Number            |
|                                                                                   | 3.00 / 4.00 | SPL 03.08.400 | SPL 03.09.400     | SPL 03.07.400     | SPL 03.10.400     |                   |
|                                                                                   | 3.25 / 4.25 | SPL 03.08.425 | SPL 03.09.425     | SPL 03.07.425     | SPL 03.10.425     |                   |
|                                                                                   | 3.50 / 4.50 | SPL 03.08.450 | SPL 03.09.450     | SPL 03.07.450     | SPL 03.10.450     |                   |
|                                                                                   | 3.75 / 4.75 | SPL 03.08.475 | SPL 03.09.475     | SPL 03.07.475     | SPL 03.10.475     |                   |
|                                                                                   | 4.00 / 5.00 | SPL 03.08.500 | SPL 03.09.500     | SPL 03.07.500     | SPL 03.10.500     |                   |
|                                                                                   | 4.25 / 5.25 | SPL 03.08.525 | SPL 03.09.525     | SPL 03.07.525     | SPL 03.10.525     |                   |
|                                                                                   | 4.50 / 5.50 | SPL 03.08.550 | SPL 03.09.550     | SPL 03.07.550     | SPL 03.10.550     |                   |
|                                                                                   | 4.75 / 5.75 | SPL 03.08.575 | SPL 03.09.575     | SPL 03.07.575     | SPL 03.10.575     |                   |
|                                                                                   | 5.00 / 6.00 | SPL 03.08.600 | SPL 03.09.600     | SPL 03.07.600     | SPL 03.10.600     |                   |
|                                                                                   | 5.25 / 6.25 | SPL 03.08.625 | SPL 03.09.625     | SPL 03.07.625     | SPL 03.10.625     |                   |
|                                                                                   | 5.50 / 6.50 | SPL 03.08.650 | SPL 03.09.650     | SPL 03.07.650     | SPL 03.10.650     |                   |
|                                                                                   | 8.99 / 9.99 | SPL 03.08.999 | SPL 03.09.999     | SPL 03.07.999     | SPL 03.10.999     |                   |

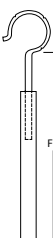
## TITANIUM PROSTHESES FOR STAPEDECTOMY AND STAPEDOTOMY

|  |               |               | Piston O.D.: 0.40 | Piston O.D.: 0.50 | Piston O.D.: 0.60 | Piston O.D.: 0.80 |
|------------------------------------------------------------------------------------|---------------|---------------|-------------------|-------------------|-------------------|-------------------|
|                                                                                    | FL / L        | Number        | Number            | Number            | Number            | Number            |
|                                                                                    | 3.00 / 4.00   | SPL 03.21.400 | SPL 03.22.400     | SPL 03.20.400     | SPL 03.23.400     |                   |
|                                                                                    | 3.25 / 4.25   | SPL 03.21.425 | SPL 03.22.425     | SPL 03.20.425     | SPL 03.23.425     |                   |
|                                                                                    | 3.50 / 4.50   | SPL 03.21.450 | SPL 03.22.450     | SPL 03.20.450     | SPL 03.23.450     |                   |
|                                                                                    | 3.75 / 4.75   | SPL 03.21.475 | SPL 03.22.475     | SPL 03.20.475     | SPL 03.23.475     |                   |
|                                                                                    | 4.00 / 5.00   | SPL 03.21.500 | SPL 03.22.500     | SPL 03.20.500     | SPL 03.23.500     |                   |
|                                                                                    | 4.25 / 5.25   | SPL 03.21.525 | SPL 03.22.525     | SPL 03.20.525     | SPL 03.23.525     |                   |
|                                                                                    | 4.50 / 5.50   | SPL 03.21.550 | SPL 03.22.550     | SPL 03.20.550     | SPL 03.23.550     |                   |
|                                                                                    | 4.75 / 5.75   | SPL 03.21.575 | SPL 03.22.575     | SPL 03.20.575     | SPL 03.23.575     |                   |
| 5.00 / 6.00                                                                        | SPL 03.21.600 | SPL 03.22.600 | SPL 03.20.600     | SPL 03.23.600     |                   |                   |
| 5.25 / 6.25                                                                        | SPL 03.21.625 | SPL 03.22.625 | SPL 03.20.625     | SPL 03.23.625     |                   |                   |
| 5.50 / 6.50                                                                        | SPL 03.21.650 | SPL 03.22.650 | SPL 03.20.650     | SPL 03.23.650     |                   |                   |
| 8.99 / 9.99                                                                        | SPL 03.21.999 | SPL 03.22.999 | SPL 03.20.999     | SPL 03.23.999     |                   |                   |

## TRIMMABLE PLATINUM AND PTFE PROSTHESES FOR STAPEDECTOMY AND STAPEDOTOMY

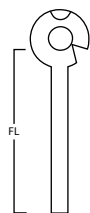
|  |                          |            | Piston O.D.: 0.40 | Piston O.D.: 0.50 | Piston O.D.: 0.60 | Piston O.D.: 0.80 |
|-------------------------------------------------------------------------------------|--------------------------|------------|-------------------|-------------------|-------------------|-------------------|
|                                                                                     | FL / L                   | Number     | Number            | Number            | Number            | Number            |
|                                                                                     | 6.0 - 3.25 / 7.00 - 4.25 | SPL 03.08S | SPL 03.09S        | SPL 03.07S        | SPL 03.10S        |                   |

## TRIMMABLE TITANIUM AND PTFE FOR STAPEDECTOMY AND STAPEDOTOMY

|                                                                                     |                          |            |                   |                   |                   |                   |
|-------------------------------------------------------------------------------------|--------------------------|------------|-------------------|-------------------|-------------------|-------------------|
|  |                          |            | Piston O.D.: 0.40 | Piston O.D.: 0.50 | Piston O.D.: 0.60 | Piston O.D.: 0.80 |
|                                                                                     | FL / L                   | Number     | Number            | Number            | Number            | Number            |
|                                                                                     | 6.0 - 3.25 / 7.00 - 4.25 | SPL 03.27S | SPL 03.28S        | SPL 03.29S        | SPL 03.30S        |                   |

L = Total Length  
FL = Functional Length

## PTFE LOOP PROSTHESIS WITH NOTCH FOR STAPEDECTOMY AND STAPEDOTOMY - TRIMMABLE



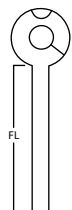
| Number    | FL (MM)   | L (MM)    | Piston Ø |
|-----------|-----------|-----------|----------|
| SPL 03.16 | 3.00-6.00 | 4.00-7.00 | 0.50     |
| SPL 03.17 | 3.00-6.00 | 4.00-7.00 | 0.60     |
| SPL 03.18 | 3.00-6.00 | 4.00-7.00 | 0.40     |
| SPL 03.19 | 3.00-6.00 | 4.00-7.00 | 0.80     |

## PLATINUM PROSTHESIS FOR STAPEDECTOMY



| Number    | FL (MM) | L (MM) | Piston Ø |
|-----------|---------|--------|----------|
| SPL 03.05 | 5.00    | 6.0    | 0.30     |

## PTFE LOOP PROSTHESIS WITHOUT NOTCH FOR STAPEDECTOMY AND STAPEDOTOMY - TRIMMABLE



| Number     | FL (MM)   | L (MM)    | Piston Ø |
|------------|-----------|-----------|----------|
| SPL 03.16x | 3.00-6.00 | 4.00-7.00 | 0.50     |
| SPL 03.17x | 3.00-6.00 | 4.00-7.00 | 0.60     |
| SPL 03.18x | 3.00-6.00 | 4.00-7.00 | 0.40     |
| SPL 03.19x | 3.00-6.00 | 4.00-7.00 | 0.80     |

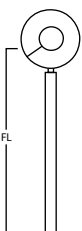
## PTFE LOOP PROSTHESIS WITHOUT NOTCH FOR STAPEDECTOMY AND STAPEDOTOMY - FIXED

- Sterile
- Expand Loop with pick and slip over incus



| Number  | FL (MM) | L (MM) | Piston Ø |
|---------|---------|--------|----------|
| 24-0450 | 4.00    | 5.00   | 0.40     |
| 24-0640 | 3.00    | 4.00   | 0.60     |
| 24-0645 | 3.50    | 4.50   | 0.60     |
| 24-0650 | 4.00    | 5.00   | 0.60     |
| 24-0660 | 5.00    | 6.00   | 0.60     |

## SULTAN LOOP PISTON PROSTHESIS FOR STAPEDECTOMY AND STAPEDOTOMY



- Silicon loop
- TI joint
- PTFE columella

| Number    | FL (MM)   | L (MM)    | Piston Ø |
|-----------|-----------|-----------|----------|
| SPL 03.24 | 3.00-6.00 | 4.00-7.00 | 0.40     |
| SPL 03.25 | 3.00-6.00 | 4.00-7.00 | 0.50     |
| SPL 03.26 | 3.00-6.00 | 4.00-7.00 | 0.60     |

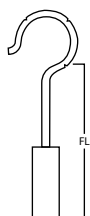
## HOUSE TYPE PLATINUM LOOPED FOR STAPEDECTOMY PROSTHESIS

- Platinum loop O.D.: 0.40



| Number        | FL (MM) | L (MM) |
|---------------|---------|--------|
| SPL 03.15.400 | 3.00    | 4.00   |
| SPL 03.15.450 | 3.50    | 4.50   |
| SPL 03.15.500 | 4.00    | 5.00   |

## PLATINUM AND PE PROSTHESIS FOR STAPEDECTOMY



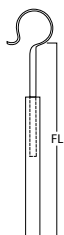
| Number        | FL (MM) | L (MM) |
|---------------|---------|--------|
| SPL 03.04.300 | 2.00    | 3.00   |
| SPL 03.04.350 | 2.50    | 3.50   |
| SPL 03.04.400 | 3.00    | 4.00   |
| SPL 03.04.425 | 3.25    | 4.25   |
| SPL 03.04.450 | 3.50    | 4.50   |
| SPL 03.04.475 | 3.75    | 4.75   |
| SPL 03.04.500 | 4.00    | 5.00   |
| SPL 03.04.550 | 4.50    | 5.50   |
| SPL 03.04.600 | 5.00    | 6.00   |

## PLATINUM RIBBON LOOP AND SHAFT FOR STAPEDECTOMY PROSTHESIS



| Number        | FL (MM) | L (MM) |
|---------------|---------|--------|
| SPL 03.00.300 | 2.00    | 3.00   |
| SPL 03.00.350 | 2.50    | 3.50   |
| SPL 03.00.400 | 3.00    | 4.00   |
| SPL 03.00.425 | 3.25    | 4.25   |
| SPL 03.00.450 | 3.50    | 4.50   |
| SPL 03.00.475 | 3.75    | 4.75   |
| SPL 03.00.500 | 4.00    | 5.00   |
| SPL 03.00.550 | 4.50    | 5.50   |
| SPL 03.00.600 | 5.00    | 6.00   |

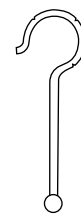
## TRIMMABLE TITANIUM / PTFE SELF CRIMPING PROSTHESIS



| Number     | FL (MM)   | L (MM)    | Piston Ø |
|------------|-----------|-----------|----------|
| SPL 03.35S | 6.00-3.25 | 7.00-4.25 | 0.40     |
| SPL 03.36S | 6.00-3.25 | 7.00-4.25 | 0.50     |
| SPL 03.37S | 6.00-3.25 | 7.00-4.25 | 0.60     |
| SPL 03.38S | 6.00-3.25 | 7.00-4.25 | 0.80     |

## HOUSE TYPE PLATINUM LOOPED STAPEDECTOMY PROSTHESIS WITH BALL BASE

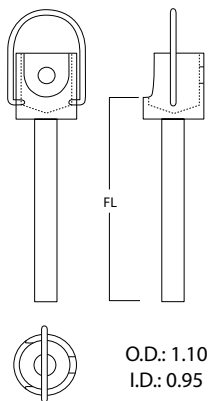
- Platinum sphere O.D.: 0.40



| Number        | FL (MM) | L (MM) |
|---------------|---------|--------|
| SPL 03.13.400 | 3.00    | 4.00   |
| SPL 03.13.450 | 3.50    | 4.50   |
| SPL 03.13.500 | 4.00    | 5.00   |

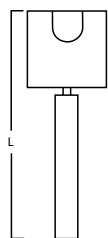
L = Total Length  
FL = Functional Length

## TITANIUM BUCKET HANDLE



|             |  | Piston O.D.: 0.40 | Piston O.D.: 0.50 | Piston O.D.: 0.60 | Piston O.D.: 0.80 |
|-------------|--|-------------------|-------------------|-------------------|-------------------|
| FL / L      |  | Number            | Number            | Number            | Number            |
| 3.20 / 4.00 |  | SPL 03.48.400     | SPL 03.51.400     | SPL 03.49.400     | SPL 03.50.400     |
| 3.45 / 4.25 |  | SPL 03.48.425     | SPL 03.51.425     | SPL 03.49.425     | SPL 03.50.425     |
| 3.70 / 4.50 |  | SPL 03.48.450     | SPL 03.51.450     | SPL 03.49.450     | SPL 03.50.450     |
| 3.95 / 4.75 |  | SLP 03.48.475     | SPL 03.51.475     | SLP 03.49.475     | SLP 03.50.475     |
| 4.20 / 5.00 |  | SPL 03.48.500     | SPL 03.51.500     | SPL 03.49.500     | SPL 03.50.500     |
| 4.45 / 5.25 |  | SPL 03.48.525     | SPL 03.51.525     | SPL 03.49.525     | SPL 03.50.525     |
| 4.70 / 5.50 |  | SPL 03.48.550     | SPL 03.51.550     | SPL 03.49.550     | SPL 03.50.550     |
| 4.95 / 5.75 |  | SPL 03.48.575     | SPL 03.51.575     | SPL 03.49.575     | SPL 03.50.575     |
| 5.20 / 6.00 |  | SPL 03.48.600     | SPL 03.51.600     | SPL 03.49.600     | SPL 03.50.600     |
| 5.45 / 6.25 |  | SPL 03.48.625     | SPL 03.51.625     | SPL 03.49.625     | SPL 03.50.625     |
| 5.70 / 6.50 |  | SPL 03.48.650     | SPL 03.51.650     | SPL 03.49.650     | SPL 03.50.650     |
| 5.95 / 6.75 |  | SPL 03.48.675     | SPL 03.51.675     | SPL 03.49.675     | SPL 03.50.675     |
| 6.20 / 7.00 |  | SPL 03.48.700     | SPL 03.51.700     | SPL 03.49.700     | SPL 03.50.700     |
| 6.45 / 7.25 |  | SPL 03.48.725     | SPL 03.51.725     | SPL 03.49.725     | SPL 03.50.725     |
| 6.70 / 7.50 |  | SPL 03.48.750     | SPL 03.51.750     | SPL 03.49.750     | SPL 03.50.750     |

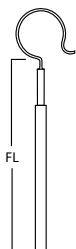
## PTFE/AUDIOLITE ADJUSTABLE CUP PROSTHESIS FOR STAPEDECTOMY



- Porous HA
- AUDIOLITE - cup
- PT - joint
- PTFE - columella

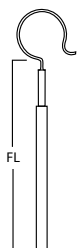
| Number    | Dimensions                                                                      |
|-----------|---------------------------------------------------------------------------------|
| SPL 03.14 | L: 6.00 mm<br>Cup O.D.: 2.00 mm<br>Cup I.D.: 1.20 mm<br>Columella O.D.: 0.60 mm |

### SELF-CRIMPING SUPERELASTIC NITINOL/PTFE PISTON



|             |               | Columella O.D.: 0.40 | Columella O.D.: 0.50 | Columella O.D.: 0.60 | Columella O.D.: 0.80 |
|-------------|---------------|----------------------|----------------------|----------------------|----------------------|
| FL / L      | Number        | Number               | Number               | Number               | Number               |
| 3.00 / 4.00 | SPL 03.43.400 | SPL 03.44.400        | SPL 03.45.400        | SPL 03.46.400        |                      |
| 3.25 / 4.25 | SPL 03.43.425 | SPL 03.44.425        | SPL 03.45.425        | SPL 03.46.425        |                      |
| 3.50 / 4.50 | SPL 03.43.450 | SPL 03.44.450        | SPL 03.45.450        | SPL 03.46.450        |                      |
| 3.75 / 4.75 | SPL 03.43.475 | SPL 03.44.475        | SPL 03.45.475        | SPL 03.46.475        |                      |
| 4.00 / 5.00 | SPL 03.43.500 | SPL 03.44.500        | SPL 03.45.500        | SPL 03.46.500        |                      |
| 4.25 / 5.25 | SPL 03.43.525 | SPL 03.44.525        | SPL 03.45.525        | SPL 03.46.525        |                      |
| 4.50 / 5.50 | SPL 03.43.550 | SPL 03.44.550        | SPL 03.45.550        | SPL 03.46.550        |                      |
| 4.75 / 5.75 | SPL 03.43.575 | SPL 03.44.575        | SPL 03.45.575        | SPL 03.46.575        |                      |
| 5.00 / 6.00 | SPL 03.43.600 | SPL 03.44.600        | SPL 03.45.600        | SPL 03.46.600        |                      |
| 5.50 / 6.50 | SPL 03.43.650 | SPL 03.44.650        | SPL 03.45.650        | SPL 03.46.650        |                      |
| 6.00 / 7.00 | SPL 03.43.700 | SPL 03.44.700        | SPL 03.45.700        | SPL 03.46.700        |                      |
| 6.50 / 7.50 | SPL 03.43.750 | SPL 03.44.750        | SPL 03.45.750        | SPL 03.46.750        |                      |
| 7.00 / 8.00 | SPL 03.43.800 | SPL 03.44.800        | SPL 03.45.800        | SPL 03.46.800        |                      |
| 7.50 / 8.50 | SPL 03.43.850 | SPL 03.44.850        | SPL 03.45.850        | SPL 03.46.850        |                      |
| 8.00 / 9.00 | SPL 03.43.900 | SPL 03.44.900        | SPL 03.45.900        | SPL 03.46.900        |                      |
| 8.50 / 9.50 | SPL 03.43.950 | SPL 03.44.950        | SPL 03.45.950        | SPL 03.46.950        |                      |
| 8.99 / 9.99 | SPL 03.43.999 | SPL 03.44.999        | SPL 03.45.999        | SPL 03.46.999        |                      |

### SELF-CRIMPING TRIMMABLE SUPERELASTIC NITINOL PISTON

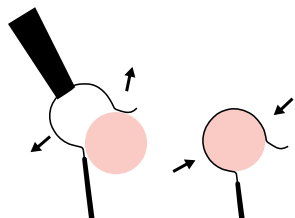


|                      |            | Columella O.D.: 0.40 | Columella O.D.: 0.50 | Columella O.D.: 0.60 | Columella O.D.: 0.80 |
|----------------------|------------|----------------------|----------------------|----------------------|----------------------|
| FL / L               | Number     | Number               | Number               | Number               | Number               |
| 6.0-6.25 / 7.00-4.25 | SPL 03.43S | SPL 03.44S           | SPL 03.45S           | SPL 03.46S           |                      |

### E-GATOR ALLIGATOR FORCEPS



| Number    | Description                                                                                          |
|-----------|------------------------------------------------------------------------------------------------------|
| SPL 03.01 | E-Gator, alligator forceps, 4.0x0.9mm jaws, w/micro-slots.<br>Stainless steel, length: 70cm, 2 3/4". |



L = Total Length  
FL = Functional Length

#### BASIC BLOCK FOR THE TOTAL AND PARTIAL IMPLANT SHORTENING SCALES



| Number   | Dimensions       |
|----------|------------------|
| PF001-10 | Shortening Block |

#### SHORTENING SCALES FOR USE WITH THE BASIC BLOCK FOR TOTAL IMPLANTS WITH FIXED HEAD



| Number   | Dimensions                   |
|----------|------------------------------|
| PF001-11 | Tower for Fixed Head (Total) |

#### SHORTENING SCALES FOR USE WITH THE BASIC BLOCK FOR PARTIAL IMPLANTS



| Number   | Dimensions        |
|----------|-------------------|
| PF001-12 | Tower for Partial |

#### SHORTENING SCALES FOR USE WITH THE BASIC BLOCK FOR TOTAL IMPLANTS WITH FIXED SHOE



| Number   | Dimensions                   |
|----------|------------------------------|
| PF001-13 | Tower for Fixed Shoe (Total) |

#### MEASURING GAUGE



| Number | Dimensions           |
|--------|----------------------|
| 02.14  | Measuring Instrument |

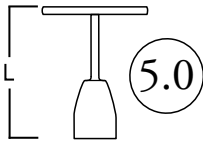
#### HILDMANN CARTILAGE HOLDING AND CUTTING FORCEPS



| Number     | Dimensions                                |
|------------|-------------------------------------------|
| O10-504-10 | Straight, 10 CM, Stainless with set screw |

TRIALS FOR TITANIUM TOTAL IMPLANTS

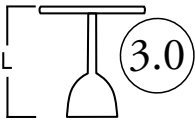
• Stainless steel



| Number    | L (MM) | Number    | L (MM) |
|-----------|--------|-----------|--------|
| 11000-D20 | 2.0    | 11000-D50 | 5.0    |
| 11000-D25 | 2.5    | 11000-D55 | 5.5    |
| 11000-D30 | 3.0    | 11000-D60 | 6.0    |
| 11000-D35 | 3.5    | 11000-D65 | 6.5    |
| 11000-D40 | 4.0    | 11000-D70 | 7.0    |
| 11000-D45 | 4.5    | 11000-D75 | 7.5    |

TRIALS FOR TITANIUM PARTIAL IMPLANTS

• Stainless steel



| Number    | L (MM) | Number    | L (MM) |
|-----------|--------|-----------|--------|
| 12000-D05 | 0.5    | 12000-D30 | 3.0    |
| 12000-D10 | 1.0    | 12000-D35 | 3.5    |
| 12000-D15 | 1.5    | 12000-D40 | 4.0    |
| 12000-D17 | 1.75   | 12000-D45 | 4.5    |
| 12000-D20 | 2.0    | 12000-D50 | 5.0    |
| 12000-D25 | 2.5    | 12000-D55 | 5.5    |

\*\*\* NOT FOR IMPLANTATION • REUSABLE \*\*\*

## GELFOAM PRESS

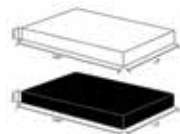
- Stainless, 18 cm



| Number | Dimensions        |
|--------|-------------------|
| O64500 | Platform 11x14 mm |
| O64501 | Platform 30x30 mm |
| O64502 | Platform 22x30 mm |

## HOUSE STYLE CUTTING BLOCK

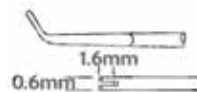
- 2.87" x 1.5" x 9.0 mm
- Non-Sterile



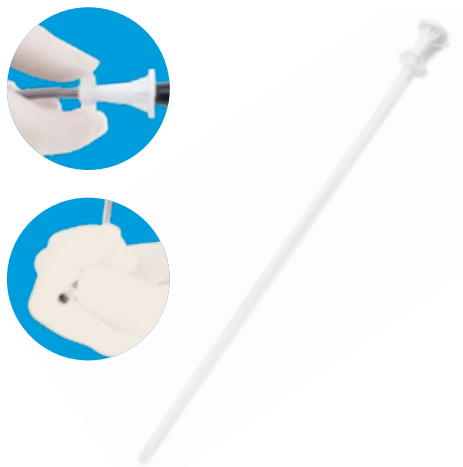
| Number  | Dimensions   |
|---------|--------------|
| O99131  | White Delrin |
| O99131B | Black Delrin |

## PHENOL APPLICATOR

- Duberstein Type



| Number | Dimensions                                                                    |
|--------|-------------------------------------------------------------------------------|
| O99610 | Round handle, Stainless, Matt,<br>Length 15.7 cm<br>Tyres : 0.63 mm x 1.57 mm |

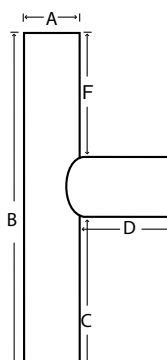


The Clearview™ II improved design simplifies aseptic mounting, securing and removing the sheath without worry of scope damage.

- Proven Effective Barrier to Microorganisms as Small as 25nm\*
- Patent Pending Securement
- Easy On, Easy Off- No Slip!
- Superb Optical Quality
- Universal Fit
- 100% Latex Free
- Sterile, Individually Packaged

| Number   | Description                                                | Qty/<br>Box |
|----------|------------------------------------------------------------|-------------|
| 28-36000 | Flexible Endoscope Cover<br>Fits 3.6mm Flexible Endoscopes | Adult 20    |

## Tracheal T-Tube

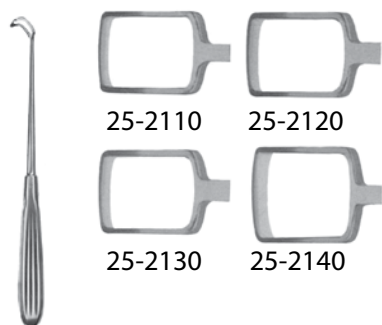


Designed for the surgical management of tracheal and subglottic stenosis and the reconstruction of cervical and thoracic trachea. Packaged 1 each.

- 100% medical grade silicone
- Easily trimmed to meet patient's needs
- Large soft collar with closure attached

| Number   | Size     | A     | B      | C       | D     | E       | F     |
|----------|----------|-------|--------|---------|-------|---------|-------|
| 70-50080 | Standard | 8 mm  | 37 mm  | 16.5 mm | 32 mm | 6.5 mm  | 14 mm |
| 70-50100 | Standard | 10 mm | 50 mm  | 24 mm   | 42 mm | 8 mm    | 18 mm |
| 70-50120 | Standard | 12 mm | 66 mm  | 32 mm   | 50 mm | 10.5 mm | 23 mm |
| 70-50140 | Standard | 14 mm | 71 mm  | 34 mm   | 50 mm | 10.5 mm | 26 mm |
| 70-50160 | Standard | 16 mm | 72 mm  | 34 mm   | 60 mm | 11.5 mm | 26 mm |
| 70-50081 | Long     | 8 mm  | 80 mm  | 60 mm   | 32 mm | 6.5 mm  | 14 mm |
| 70-50101 | Long     | 10 mm | 96 mm  | 70 mm   | 42 mm | 8 mm    | 18 mm |
| 70-50121 | Long     | 12 mm | 108 mm | 75 mm   | 50 mm | 10.5 mm | 23 mm |
| 70-50141 | Long     | 14 mm | 112 mm | 75 mm   | 50 mm | 10.5 mm | 26 mm |
| 70-50161 | Long     | 16 mm | 122 mm | 85 mm   | 60 mm | 11.5 mm | 26 mm |

## Disposable Adenoid Curettes



### BECKMANN ADENOID CURETTE

- Sterile
- Single-use
- Sharp cutting edge for each case

| Number  | Description              | Length | Size | Head<br>Width | Qty/<br>Box |
|---------|--------------------------|--------|------|---------------|-------------|
| 25-2110 | Adenoid Curette Straight | 22 cm  | 1    | 10 mm         | 5           |
| 25-2120 | Adenoid Curette Straight | 22 cm  | 2    | 12 mm         | 5           |
| 25-2130 | Adenoid Curette Straight | 22 cm  | 3    | 14 mm         | 5           |
| 25-2140 | Adenoid Curette Straight | 22 cm  | 4    | 16 mm         | 5           |



## Thyroidectomy 2-Channel Kit

| Catalog No. | Description                                                                                                                                                                  | Quantity     |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 29-80500DCK | One (1) each 29-80500DC - Dual Channel Laryngeal Electrode<br>One (1) each NE-S-250013/0.4 - White needle electrode<br>One (1) each 29-80250 - Green return needle electrode | 5 Kits / Box |



## Facial Nerve Procedure Kit

| Catalog No. | Description                                                                                                                                                                                                             | Quantity     |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 29-80600K   | One (1) each Paired Twisted Subdermal Needle Electrode Red/Red<br>One (1) each Paired Twisted Subdermal Needle Electrode Blue/Blue<br>One (1) each White Needle Electrode<br>One (1) each Green Return Needle Electrode | 1 Kits / Box |



## Probes

| Catalog No. | Description                           | Quantity |
|-------------|---------------------------------------|----------|
| PNT 0.8/90  | Flush Tip Monopolar Stimulator Probe  | 10/ Box  |
| 29-3001     | Direct Tip Monopolar Stimulator Probe | 10/ Box  |



## Stim Wire

| Catalog No. | Description   | Quantity |
|-------------|---------------|----------|
| EW3000/1.8  | Red Stim Wire | 5/ Box   |



## Single Electrodes

| Catalog No.     | Description                      | Quantity |
|-----------------|----------------------------------|----------|
| SEAg-S-10000/20 | Green Hydrogel Surface Electrode | 5/ Box   |



## Disposable Subdermal Needle Electrodes

| Catalog No.       | Description                                         | Size                     | Quantity |
|-------------------|-----------------------------------------------------|--------------------------|----------|
| NE-S-2500/13/0.4  | White Single Subdermal Needle Electrode             | 13 x 0.40mm (0.5" x 27G) | 5 / Box  |
| 29-80250          | Green Single Ground Needle Electrode                | 27 Gauge                 | 5 / Box  |
| NE-T-1500/13/0.4R | Red/Red Single Twisted Subdermal Needle Electrode   | 13 x 0.40mm (0.5" x 27G) | 5 / Box  |
| NE-T-1500/13/0.4B | Blue/Blue Single Twisted Subdermal Needle Electrode | 13 x 0.40mm (0.5" x 27G) | 5 / Box  |



Surface Electrodes  
• Single Use Sterile

| Catalog No. | Description                      |             | ET Tube   | Quantity |
|-------------|----------------------------------|-------------|-----------|----------|
| 29-80500S   | Single channel surface electrode | Standard    | 7.5-10mm  | 5/Box    |
| 29-80500W   | Single channel surface electrode | Wrap around | 7.5-10mm  | 5/Box    |
| 29-80500DC  | Dual channel electrode           | Standard    | 6.0-7.5mm | 5/Box    |

Needle Electrodes



| Catalog No. | Description                 | ET Tube  | Quantity |
|-------------|-----------------------------|----------|----------|
| 29-80250    | Single ground needle, green | 27G 25mm | 5/Box    |

Lead Wires



| Catalog No. | Description                                              | ET Tube  | Quantity |
|-------------|----------------------------------------------------------|----------|----------|
| 29-80250-B  | Twisted lead wires with paired needle tips, blue/white   | 27G 25mm | 5/Box    |
| 29-80250-G  | Twisted lead wires with paired needle tips, green/white  | 27G 25mm | 5/Box    |
| 29-80250-O  | Twisted lead wires with paired needle tips, orange/white | 27G 25mm | 5/Box    |
| 29-80250-R  | Twisted lead wires with paired needle tips, red/white    | 27G 25mm | 5/Box    |
| 29-80250-Y  | Twisted lead wires with paired needle tips, yellow/white | 27G 25mm | 5/Box    |



Thyroidectomy Laryngeal Kit

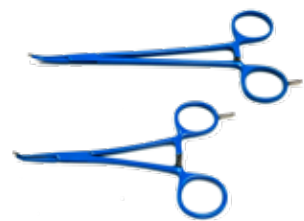
| Catalog No. | Description                                                                                                                                                                                                                                             | Quantity     |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 29-80500K   | One (1) each 29-80500 S-Standard Single Channel Electrode<br>One (1) each PNT 0.8/90 - Flush Tip Monopolar Stimulator Probe<br>One (1) each SEAg-S-10000/20 - Green Hydrogel Surface Electrode<br>One (1) each NE-S-250013/0.4 - White Needle Electrode | 5 Kits / Box |



Stim Kit

| Catalog No. | Description                                                                                                                                                                                                                      | Quantity     |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 29-80500SK  | One (1) each 29-80500 S-Standard Single Channel Electrode<br>One (1) each NE-S-250013/0.4 - White needle electrode<br>One (1) each - Red Disposable Stim Wire<br>One (1) each SEAg-S-10000/20 - Green Hydrogel Surface Electrode | 5 Kits / Box |

Monopolar Forceps



| Catalog No. | Description                                                       |
|-------------|-------------------------------------------------------------------|
| 29-80700    | Adson Tonsil monopolar Forceps, Fine Curved, Serrated Tips, 7.25" |
| 29-80800    | Mosquito Monopolar Forceps, 5", Fine Curved Tip, Box Hing         |



Intraoperative Hypoglossal Nerve Monitoring Kit

| Catalog No.          | Description                                          | Size                 | Quantity   |
|----------------------|------------------------------------------------------|----------------------|------------|
| 29-80700K            | One (1) each Twisted NE-D1-2500/18/.04R: Red         | 18mm X 0.40mm X 2.5M | 5 Kits/Box |
|                      | One (1) each Twisted NE-D1-2500/18/.04B: Blue        | 18mm X 0.40mm X 2.5M |            |
|                      | One (1) each Disposable NE-S-2500/13/.04G: Green     |                      |            |
|                      | Subdermal Needle Electrode                           |                      |            |
|                      | One (1) each NE-S-2500/13/.04W: White                |                      |            |
|                      | Subdermal Needle Electrode                           |                      |            |
|                      | One (1) each PNB 0.8 X 2/90 Bipolar Stimulator Probe |                      |            |
| Sterile - Single Use |                                                      |                      |            |



### BRIGHTSTAR™ HIGH POWER WIRELESS LED HEADLIGHT SYSTEM

- Focusable, battery powered, bright, white LED
- Ultra comfortable, adjustable black head band
- Dual long lasting, rechargeable lithium ion batteries (7 hours continuous)

| Light Spot Distance | Spot Ø    |
|---------------------|-----------|
| 20-30 cm            | 38-55 mm  |
| 40 cm               | 53-85 mm  |
| 50 cm               | 68-110 mm |
| 60 cm               | 80-135 mm |

| Number  | Description                                                                                                                                                  |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 34-4800 | BrightStar™ High Power wireless LED Headlight System<br>Includes: Wireless LED headlight with removable dual battery packs, charging station, black headband |
| 34-4701 | Lithium Ion battery pack replacement for 34-4800                                                                                                             |
| 34-4803 | Dual Charging Station replacement                                                                                                                            |



### BRIGHTSTAR™ HIGH POWER LED HEADLIGHT

- Focusable, battery powered, bright, white LED
- Light emitting diode technology (LED), life > 30,000 hours
- Ultra-light and comfortable, adjustable crowned headlight with replaceable liners
- Long lasting, rechargeable lithium ion battery (4 hours continuous)

| Light Spot Distance | Spot Ø    |
|---------------------|-----------|
| 20-30 cm            | 38-55 mm  |
| 40 cm               | 53-85 mm  |
| 50 cm               | 68-110 mm |
| 60 cm               | 80-135 mm |

| Number  | Description                                           |
|---------|-------------------------------------------------------|
| 34-4810 | High Powered Headlight with belt mounted battery pack |
| 34-4811 | Belt worn lithium ion battery for headlight           |
| 34-4812 | 110V transformer/charger for battery pack             |



### BRIGHTSTAR™ ULTRA WIRELESS LED HEADLIGHT SYSTEM

- Focusable, battery powered, bright, white LED
- Ultra comfortable, adjustable black head band
- Long lasting, rechargeable lithium ion battery (3-5 hours continuous)

| Light Spot Distance | Spot Ø    |
|---------------------|-----------|
| 20 cm               | 11-40 mm  |
| 30 cm               | 13-63 mm  |
| 40 cm               | 25-130 mm |

| Number  | Description                                                                                                                                   |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 34-4700 | BrightStar™ Ultra wireless LED Headlight System<br>Includes: Wireless LED headlight, removable battery pack, charger 110-220v, black headband |
| 34-4701 | Lithium Ion battery pack replacement for 34-4700                                                                                              |
| 34-4702 | Charger 110/220 VAC replacement for 34-4700                                                                                                   |
| 34-4703 | Charging Station                                                                                                                              |



### BRIGHTSTAR™ II LED HEADLIGHT SYSTEM

- Focusable, battery powered, bright, white LED
- Ultra comfortable, adjustable black head band
- Dual long lasting, rechargeable lithium ion batteries (5 hours continuous)

| Light Spot Distance | Spot Ø    |
|---------------------|-----------|
| 20 cm               | 11-40 mm  |
| 30 cm               | 13-63 mm  |
| 40 cm               | 25-130 mm |

| Number  | Description                                                                         |
|---------|-------------------------------------------------------------------------------------|
| 34-4190 | BrightStar™ II LED headlight, lithium ion battery, charger 110-220v, black headband |
| 34-4191 | Lithium Ion battery pack replacement with belt clip                                 |
| 34-4192 | Charger for 34-4190                                                                 |



### IFO FIBEROPTIC HEADLIGHT WITH OPEN HEADBAND

- Adjustable lightweight headband, F/O headlight, bifurcated clear cable illumination for long term balance, comfort and wear
- High performance optical system
- Wide focus range and powerful light spot

| Light Spot Distance | Spot Ø    |
|---------------------|-----------|
| 20 cm               | 11-68 mm  |
| 30 cm               | 12-101 mm |
| 40 cm               | 13-136 mm |
| 50 cm               | 14-173 mm |
| 60 cm               | 16-208 mm |

| Number  | Description                                                                                      |
|---------|--------------------------------------------------------------------------------------------------|
| 34-4160 | IFO Focusable Fiberoptic Headlight, open headband, bifurcated cable illumination, black headband |



### IFO FIBEROPTIC HEADLIGHT WITH CRADLE HEADBAND

- Super adjustable lightweight headband , F/O headlight, bifurcated clear cable illumination for long term balance, stability, comfort and wear
- High performance optical system
- Wide focus range and powerful light spot

| Light Spot Distance | Spot Ø    |
|---------------------|-----------|
| 20 cm               | 11-68 mm  |
| 30 cm               | 12-101 mm |
| 40 cm               | 13-136 mm |
| 50 cm               | 14-173 mm |
| 60 cm               | 16-208 mm |

| Number  | Description                                                                                        |
|---------|----------------------------------------------------------------------------------------------------|
| 34-4360 | IFO Focusable Fiberoptic Headlight, cradle headband, bifurcated cable illumination, black headband |



### FIBEROPTIC HEADLIGHT

- Ultra lightweight
- Adjustable for comfortable fit
- Can be used with most standard cables, 3 mm, 9 ft cable available
- Cables available to fit light sources of: K. Storz, Pilling, Olympus, Wolf ACMI

| Number  | Description                                            |
|---------|--------------------------------------------------------|
| 34-4060 | Fiber Optic Headlight (cable not included)             |
| 34-4061 | Fiber Optic Headlight, Micro Spot (cable not included) |
| 34-4065 | Fiber Optic Cable, ACMI fittings, 3.0 mm, 9' long      |



### FIBEROPTIC HEADLIGHT

- 90° focusable headlight
- Headlight module, 10-100mm variable spot
- Detachable joysticks (2)
- Set of cushioned detachable sweatbands
- Bifurcated cable, 9" with Wolf lens proximal as standard

| Number   | Description                    |
|----------|--------------------------------|
| GMF-H100 | Surgical headlight with cradle |



## DIGITAL LED 4000 LIGHTING SYSTEM

- Lamp Light emitting diode technology (LED), life > 30,000 hours
- Color temperature 6500° K @ 75 CRI or 5600°K @ 92 CRI
- Intensity control Electronic (PWM) from 0 to 100%
- Turret, 4 ports ACMI, Olympus, Storz, Wolf (others available)
- Power 100-240V AC, 50/\*60 Hz, worldwide operation
- Dimensions (WxHxD) 11"W x 4.5" H x 11" D; weight 3.4kg
- Weight 7.5 lbs (3.4kg)
- Regulatory IEC60601-1 3rd Edition, CAN/CSA C22.2 No. 601.1

| Number  | Description                                                                                                                                        |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 34-5000 | Swivel mount floor stand and swivel mount floor stand adapter mounting plate kit                                                                   |
| 34-4900 | Deluxe Headlight with 20-110mm variable spot module and 4mm bifurcated headlight cable (black) with Wolf L/S end tip                               |
| 34-4950 | Digital LED lightsource with ergonomic 4-port turret, PWM dimming control, cable end-tip sensor, standby mode, RS32 & USB port for remote control. |

## LED LIGHTSOURCE

- Lamp Light emitting diode technology (LED), life > 50,000 hours
- Color temperature 6500° K Normal
- Intensity control Electronic (PWM) from 0 to 100%
- Turret, 4 ports ACMI, Olympus, Storz, Wolf (others available)
- Non-Turret model Available upon request
- Power 52W typical; 10-240V AC, 50/\*60 Hz, worldwide operation
- Dimensions (WxHxD) 4.65" x 3.32" x 7.25" mm (~10" overall)
- Weight 2.5lbs (1.14kg), EN60601-1-2
- Regulatory UL60601-1, CAN/CSA C22.2 No. 601.1



| Number    | Description                                                                  |
|-----------|------------------------------------------------------------------------------|
| LLS-2000T | Premium light source, 4 -turret, generating 50% greater output than LLS1000T |
| LLS-2000  | LED Light source Single Port ACMI (others available)                         |



## CABLES

| Number  | Description                                       |
|---------|---------------------------------------------------|
| 34-3140 | Fiber Optic Cable, ACMI fittings, 4.0mm 8' long   |
| 34-4065 | Fiber Optic Cable, ACMI fittings, 3.0 mm, 9' long |

- Other fittings available (ex. Karl Storz Pilling, Olympus, Wolf)
- Custom size cables available upon request

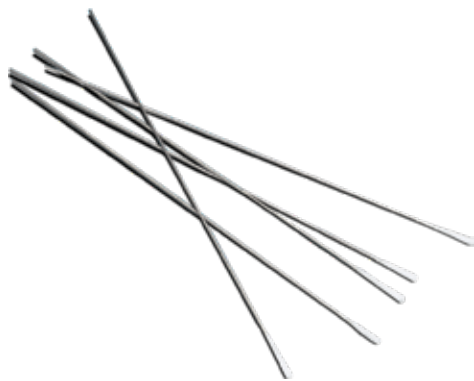


| Invotec<br>Number | Merocel®<br>Number | Description                 | Qty/Box        |
|-------------------|--------------------|-----------------------------|----------------|
| 22-70101          | 4405101            | PVA Eye Spears      Sterile | 100 (10/pouch) |

## Microsurgery

| Invotec<br>Number | Merocel®<br>Number | Description                      | Qty/Box |
|-------------------|--------------------|----------------------------------|---------|
| 22-70300          | 2218525            | Instrument wipe      3.5" x 3.5" | 20      |

Merocel® is a registered trademark of Medtronic-Xomed



### COTTON TIPPED APPLICATORS

- Pure cotton end
- Sterile packed - 5 per pouch

| Number  | Description                      |                 | Qty/Box |
|---------|----------------------------------|-----------------|---------|
| 2011898 | Steel Applicator with Cotton Tip | 0.9 mm x 150 mm | 100     |

### Anti-Fog



### FOG GUARD™

Invotec's Fog-Guard™ anti-fog solution has been formulated, without alcohol, to provide excellent levels of anti fog protection from distortion for your delicate glass optics.

| Number | Description                                                                                                                                    |         | Qty/Box |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|
| 30900  | Kit- One (1) Screw top dispenser bottles (6 cc) and one (1) Green micropore wiping pad with adhesive backing, 4.3cm x 3.8cm (1 6/10" x 1 1/2") | Sterile | 20 kits |

### Head Support



### COMFORTFOAM™ HEADREST

- Flexible Positioning
- Protects Sensitive Skin
- Fire Retardant<sup>1</sup>
- Enhanced Patient Stability

| Number   | Description                                                     | Qty/Box |
|----------|-----------------------------------------------------------------|---------|
| 26-71000 | Comfortfoam™ sculpted head rest - Blue, with ET-Anesthesia Slot | 1       |
| 26-72000 | Comfortfoam™ sculpted head rest - Blue                          | 1       |
| 26-73000 | Comfortfoam™ sculpted head rest for child                       | 1       |

<sup>1</sup>Complies With California Technical Bulletin #117



Constructed of super-strong, heat resistant, (360°F, 160°C) ULTEM® material, the Invotec trays are designed to protect your valuable delicate instruments during sterilization. Offered in multiple sizes and complimented with tops, stackable trays, silicone finger mats and cradles, you can build your own custom instrument tray system.

## Containers

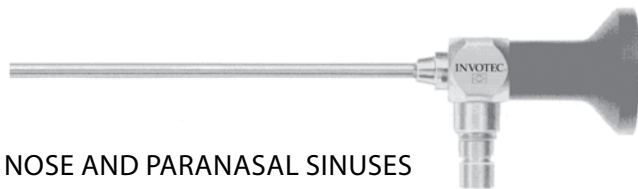
| Number   | Length x Width x Depth              | Description                                           |
|----------|-------------------------------------|-------------------------------------------------------|
| T602575  | 6.0 x 2.5 x .75 inches              | Base/Lid                                              |
| T602512  | 6.0 x 2.5 x 1.25 inches             | Base/Lid                                              |
| T654075  | 6.5 x 4.0 x .75 inches              | Base/Lid                                              |
| T752575  | 7.5 x 2.5 x .75 inches              | Base/Lid                                              |
| T754075  | 7.5 x 4.0 x .75 inches              | Base/Lid                                              |
| T754015  | 7.5 x 4.0 x 1.5 inches              | Base/Lid                                              |
| T106075  | 10.0 x 6.0 x .75 inches             | Base/Lid                                              |
| T106015  | 10.0 x 6.0 x 1.5 inches             | Base/Lid                                              |
| T106020  | 10.0 x 6.0 x 1.5 inches             | Base/Lid, second tray                                 |
| T151015  | 15 x 10 x 1.5 inches                | Base/Lid                                              |
| T151010  | 15 x 10 x .75 inches                | Large Tray, base/lid/mat                              |
| T151025  | 15 x 10 x 1.5 inches                | Large Tray, base/lid/mat                              |
| T151026  | 15 x 10 x 1.5 inches                | Large Tray, base/lid/insert/mats                      |
| T162615  | 16 x 2.6 x 1.5 inches (40.6cm long) | Scope Tray, base/lid                                  |
| T186515  | 18 x 6.5 x 1.5 inches (45.7cm long) | Scope Tray, base/lid                                  |
| T186530  | 18 x 6.5 x 3.0 inches (45.7cm long) | Scope Tray, base/lid                                  |
| T-122615 | 12" x 2.6" x 1.54"                  | Scope tray, lid/cradles for two 185mm rod lens scopes |

## Silicone Mats

| Number  | Length x Width        | Description |
|---------|-----------------------|-------------|
| T602513 | 6.0 x 2.5 inches      | Finger Mat  |
| T654013 | 6.0 x 4.0 inches      | Finger Mat  |
| T752513 | 7.5 x 2.5 inches      | Finger Mat  |
| T754013 | 7.5 x 4.0 inches      | Finger Mat  |
| T106023 | 10.0 x 6.0 inches     | Finger Mat  |
| T151023 | 15 x 10 inches        | Finger Mat  |
| T162613 | 16 x 2.6 inches       | Finger Mat  |
| T186513 | 18 x 6.5 inches       | Finger Mat  |
| T186533 | 18 x 6.5 x 3.0 inches | Finger Mat  |

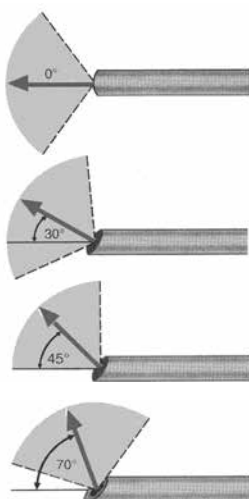
## Silicone Cradles

| Catalog No. | Description                         | Instrument Application    |
|-------------|-------------------------------------|---------------------------|
| T237590     | 3 slot insert opposite, triple slot | Keeps 3 forceps separated |
| T237591     | Single slot bar, round cut          | Knife / instrument        |
| T237592     | Double slot bar, round cut          | Knife / instrument        |
| T237593     | Triple slot bar, round cut          | Knife / instrument        |
| T237596     | 6 slot insert opposite triple slot  | Keeps 3 forceps separated |
| T261691     | Scope round cut, 9 and 12mm         | Endoscope(s)              |
| T261692     | Scope round cut, 9mm (2)            | Endoscope(s)              |
| T387512     | 12 slot insert holding 6 forceps    | Keeps 6 forceps separated |
| T387592     | Double slot bar for large tray      | Knives / instruments      |
| T387593     | Triple slot bar for large tray      | Knives / instruments      |
| T387594     | Four slot bar for large tray        | Knives / instruments      |
| T387595     | Five slot bar for large tray        | Knives / instruments      |
| T387596     | 6 slot insert for 6 forceps         | Keeps 6 forceps separated |

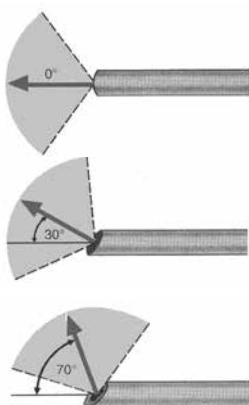


## TELESCOPES FOR NOSE AND PARANASAL SINUSES

| Number     | Description                           |     | Diameter | Working Length |              |
|------------|---------------------------------------|-----|----------|----------------|--------------|
| 10-0036-00 | Straight Forward Wide Angle Telescope | 0°  | 2.7 mm   | 110 mm         | autoclavable |
| 10-0037-00 | Straight Forward Wide Angle Telescope | 30° | 2.7 mm   | 110 mm         | autoclavable |
| 10-0038-00 | Straight Forward Wide Angle Telescope | 70° | 2.7 mm   | 110 mm         | autoclavable |



| Number     | Description                           |     | Diameter | Working Length |              |
|------------|---------------------------------------|-----|----------|----------------|--------------|
| 10-0045-00 | Straight Forward Wide Angle Telescope | 0°  | 4 mm     | 175 mm         | autoclavable |
| 10-0046-00 | Straight Forward Wide Angle Telescope | 30° | 4 mm     | 175 mm         | autoclavable |
| 10-0086-00 | Straight Forward Wide Angle Telescope | 45° | 4 mm     | 175 mm         | autoclavable |
| 10-0047-00 | Straight Forward Wide Angle Telescope | 70° | 4 mm     | 175 mm         | autoclavable |



| Number     | Description                           |     | Diameter | Working Length |              |
|------------|---------------------------------------|-----|----------|----------------|--------------|
| 10-0039-00 | Straight Forward Wide Angle Telescope | 0°  | 2.7 mm Ø | 175 mm         | autoclavable |
| 10-0040-00 | Straight Forward Wide Angle Telescope | 30° | 2.7 mm Ø | 175 mm         | autoclavable |
| 10-0041-00 | Straight Forward Wide Angle Telescope | 70° | 2.7 mm Ø | 175 mm         | autoclavable |



### TELESCOPE HANDLES

| Number | Description            | Length | Working Length |
|--------|------------------------|--------|----------------|
| S40213 | Telescope Handle round | 6.5 cm | 110 mm         |



| Number | Description                                             | Length | Working Length |
|--------|---------------------------------------------------------|--------|----------------|
| S40211 | Flat Handle<br>straight forward telescopes up to 4 mm Ø | 11 cm  | 175 mm         |



|        |                                                                     |       |        |
|--------|---------------------------------------------------------------------|-------|--------|
| S40212 | Round Handle<br>forward-oblique and lateral telescopes up to 4 mm Ø | 11 cm | 175 mm |
|--------|---------------------------------------------------------------------|-------|--------|



|        |                                          |  |  |
|--------|------------------------------------------|--|--|
| S41100 | Protection Tube for Sinuscopy Telescopes |  |  |
|--------|------------------------------------------|--|--|

### ENDOSCOPE TROCAR AND CANNULA



| Number | Description                                           |                              | OuterØ | Cannula length |
|--------|-------------------------------------------------------|------------------------------|--------|----------------|
| S18400 | Trocac and Cannula for Sinuscopy with billshaped beak | for use with 4 mm telescopes | 5 mm   | 8.5 cm         |



|        |                                                    |                              |      |        |
|--------|----------------------------------------------------|------------------------------|------|--------|
| S18500 | Trocac and Cannula for Sinuscopy with oblique beak | for use with 4 mm telescopes | 5 mm | 8.5 cm |
|--------|----------------------------------------------------|------------------------------|------|--------|



|        |                                                    |                                |        |        |
|--------|----------------------------------------------------|--------------------------------|--------|--------|
| S18503 | Trocac and Cannula for Sinuscopy with oblique beak | for use with 2.7 mm telescopes | 3.3 mm | 7.5 cm |
|--------|----------------------------------------------------|--------------------------------|--------|--------|



|        |                                                    |                              |      |        |
|--------|----------------------------------------------------|------------------------------|------|--------|
| S18504 | Trocac and Cannula for Sinuscopy with oblique beak | for use with 3 mm telescopes | 4 mm | 7.5 cm |
|--------|----------------------------------------------------|------------------------------|------|--------|



## MAXILLARY SINUS



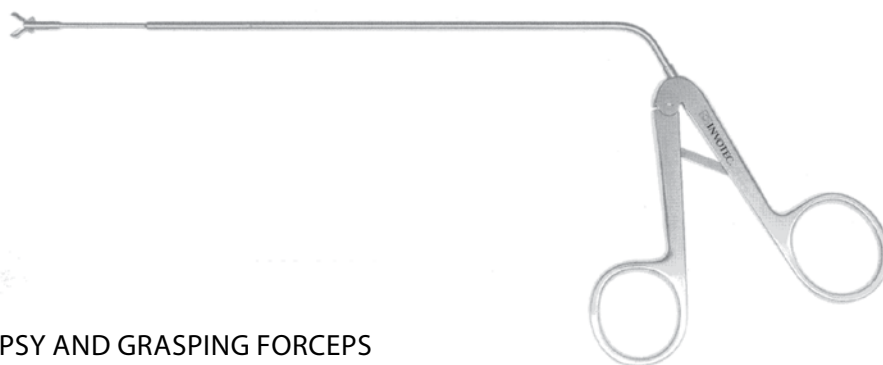
| Number | Description                 | Sheath                                   | Working Length         |
|--------|-----------------------------|------------------------------------------|------------------------|
| S15000 | Biopsy and Grasping Forceps | double action oval cupped jaws 2.5 mm Ø  | 1.5 mm Ø 15 cm         |
| S15070 | Biopsy Forceps              | double action oval cupped jaws, 3.0 mm Ø | angles down 70° 12 cm  |
| S15110 | Biopsy Forceps              | double action oval cupped jaws, 3.0 mm Ø | angles down 110° 11 cm |



## ANTRUM GRASPING FORCEPS



| Number | Description                                                             | Working Length |
|--------|-------------------------------------------------------------------------|----------------|
| S15500 | Antrum Grasping Forceps, (Heuwieser style) retrograde opening jaws 120° | 10 cm          |



## BIOPSY AND GRASPING FORCEPS



| Number | Description                                           | Working Length                                                   |
|--------|-------------------------------------------------------|------------------------------------------------------------------|
| S15005 | Biopsy and Grasping Forceps with malleable sheath end | double action oval cupped jaws 4mm Ø with vertical opening 18 cm |



### THROUGH-CUTTING FRONTAL SINUS PUNCH FORCEPS



| Number | Description            | Diameter |              |                    | Working Length |
|--------|------------------------|----------|--------------|--------------------|----------------|
| S36201 | Double action cup jaws | 2 mm     | 55° upturned | vertical opening   | 14.5 cm        |
| S36202 | Double action cup jaws | 2 mm     | 55° upturned | horizontal opening | 14.5 cm        |
| S36203 | Double action cup jaws | 2 mm     | 90° upturned | vertical opening   | 14.5 cm        |
| S36204 | Double action cup jaws | 2 mm     | 90° upturned | horizontal opening | 14.5 cm        |



### GIRAFFE FORCEPS



| Number | Description            | Diameter |              |                    |
|--------|------------------------|----------|--------------|--------------------|
| S35401 | Double action cup jaws | 3 mm     | 55° upturned | vertical opening   |
| S35402 | Double action cup jaws | 3 mm     |              | horizontal opening |
| S35403 | Double action cup jaws | 2 mm     |              | vertical opening   |
| S35404 | Double action cup jaws | 2 mm     |              | horizontal opening |
| S35413 | Double action cup jaws | 4 mm     |              | vertical opening   |
| S35414 | Double action cup jaws | 4 mm     |              | horizontal opening |

| Number | Description            | Diameter |              |                    |
|--------|------------------------|----------|--------------|--------------------|
| S35405 | Double action cup jaws | 2 mm     | 90° upturned | vertical opening   |
| S35406 | Double action cup jaws | 2 mm     |              | horizontal opening |
| S35409 | Double action cup jaws | 4 mm     |              | vertical opening   |
| S35410 | Double action cup jaws | 4 mm     |              | horizontal opening |



## BIOPSY FORCEPS



| Number | Description                    | Diameter |                        |                    |
|--------|--------------------------------|----------|------------------------|--------------------|
| S35110 | Oval double action cupped jaws | 2.6 mm   | 110° backwards cutting | horizontal opening |
| S35111 | Oval double action cupped jaws | 2.6 mm   | 110° backwards cutting | vertical opening   |
| S35170 | Oval double action cupped jaws | 2.6 mm   | 70° upturned           | horizontal opening |
| S35171 | Oval double action cupped jaws | 5.6 mm   | 70° upturned           | vertical opening   |
| S35114 | Oval double action cupped jaws | 4 mm     | 110° backwards cutting | horizontal opening |
| S35124 | Oval double action cupped jaws | 4 mm     | 110° backwards cutting | vertical opening   |

## PEAR-SHAPED POLYP GRASPING FORCEPS



| Number | Description     |             |              |                     |
|--------|-----------------|-------------|--------------|---------------------|
| S35300 | Jaws 3 x 1.5 mm | pear-shaped | 80° upturned | horizontal opening  |
| S35304 | Jaws 3 x 1.5 mm | pear-shaped | 45° upturned | upturned            |
| S35301 | Jaws 3 x 1.5 mm | pear-shaped | 80° upturned | sheath curved left  |
| S35302 | Jaws 3 x 1.5 mm | pear-shaped | 80° upturned | sheath curved right |



### BLAKESLEY NASAL FORCEPS



| Number | Description             | Diameter | Size       | Working Length |
|--------|-------------------------|----------|------------|----------------|
| S30000 | Blakesley nasal forceps | Straight | 0 = 3 mm   | 11 cm          |
| S30001 | Blakesley nasal forceps | Straight | 1 = 3.5 mm | 11 cm          |
| S30002 | Blakesley nasal forceps | Straight | 2 = 4 mm   | 11 cm          |
| S30003 | Blakesley nasal forceps | Straight | 3 = 5 mm   | 11 cm          |

### BLAKESLEY-WILDE NASAL FORCEPS



| Number | Description                   | Diameter     | Size       | Working Length |
|--------|-------------------------------|--------------|------------|----------------|
| S30100 | Blakesley-Wilde nasal forceps | 45° upcurved | 0 = 3 mm   | 11 cm          |
| S30101 | Blakesley-Wilde nasal forceps | 45° upcurved | 1 = 3.5 mm | 11 cm          |
| S30102 | Blakesley-Wilde nasal forceps | 45° upcurved | 2 = 4 mm   | 11 cm          |
| S30103 | Blakesley-Wilde nasal forceps | 45° upcurved | 3 = 5 mm   | 11 cm          |

### BLAKESLEY-WILDE NASAL FORCEPS



| Number | Description                   | Diameter     | Size       | Working Length |
|--------|-------------------------------|--------------|------------|----------------|
| S30200 | Blakesley-Wilde nasal forceps | 90° upcurved | 0 = 3 mm   | 11 cm          |
| S30201 | Blakesley-Wilde nasal forceps | 90° upcurved | 1 = 3.5 mm | 11 cm          |
| S30202 | Blakesley-Wilde nasal forceps | 90° upcurved | 2 = 4 mm   | 11 cm          |
| S30203 | Blakesley-Wilde nasal forceps | 90° upcurved | 3 = 5 mm   | 11 cm          |

### BLAKESLEY THROUGH-CUT FORCEPS



| Number | Description                   |          | Bite   | Size       | Working Length |
|--------|-------------------------------|----------|--------|------------|----------------|
| S35800 | Blakesley through-cut forceps | Straight | 2 mm   | 0 = 3 mm   | 11 cm          |
| S35801 | Blakesley through-cut forceps | Straight | 2.5 mm | 1 = 3.5 mm | 11 cm          |
| S35802 | Blakesley through-cut forceps | Straight | 3.0 mm | 2 = 4 mm   | 11 cm          |



|        |                               |              |        |            |       |
|--------|-------------------------------|--------------|--------|------------|-------|
| S35900 | Blakesley through-cut forceps | 45° upcurved | 2 mm   | 0 = 3 mm   | 11 cm |
| S35901 | Blakesley through-cut forceps | 45° upcurved | 2.5 mm | 1 = 3.5 mm | 11 cm |
| S35902 | Blakesley through-cut forceps | 45° upcurved | 3.0 mm | 2 = 4 mm   | 11 cm |



## BLAKESLEY ANTRUM FORCEPS

| Number | Description              |            |              | Working Length |
|--------|--------------------------|------------|--------------|----------------|
| S30500 | Blakesley antrum forceps | tube shaft | curved left  | 10 cm          |
| S30600 | Blakesley antrum forceps | tube shaft | curved right | 10 cm          |

## POLYP GRASPING FORCEPS

| Number | Description            |              | Size                  | Working Length |
|--------|------------------------|--------------|-----------------------|----------------|
| S30400 | Polyp grasping forceps | 60° upcurved | round spoon 6 x 14 mm | 11 cm          |

## HELMS NASAL FORCEPS

| Number | Description         |                   |              | Working Length |
|--------|---------------------|-------------------|--------------|----------------|
| S30700 | Helms nasal forceps | oval cupped spoon | curved left  | 13 cm          |
| S30800 | Helms nasal forceps | oval cupped spoon | curved right | 13 cm          |

## TAKAHASHI NASAL FORCEPS

| Number | Description             |              | Size            | Working Length |
|--------|-------------------------|--------------|-----------------|----------------|
| S27001 | Takahashi nasal forceps | straight     | spoon 3 x 10 mm | 11 cm          |
| S27002 | Takahashi nasal forceps | 30° upturned | spoon 3 x 10 mm | 11 cm          |

## STRUYCHEN NASAL CUTTING FORCEPS

| Number | Description                     | Working Length |
|--------|---------------------------------|----------------|
| S27500 | Struychen nasal cutting forceps | 11 cm          |

## HARTMANN NASAL CUTTING FORCEPS

| Number | Description                    | Size | Working Length |
|--------|--------------------------------|------|----------------|
| S29001 | Hartmann nasal cutting forceps | 1    | 11 cm          |
| S29002 | Hartmann nasal cutting forceps | 2    | 11 cm          |
| S29003 | Hartmann nasal cutting forceps | 3    | 11 cm          |
| S29004 | Hartmann nasal cutting forceps | 4    | 11 cm          |

## STRUEMPEL

| Number | Description                  |              |                      | Working Length |
|--------|------------------------------|--------------|----------------------|----------------|
| S30300 | Struempel-Voss nasal forceps | 45° upcurved | extra delicate       | 11 cm          |
| S41000 | Struempel nasal forceps      | straight     | oval cup-shaped jaws | 10 cm          |
| S41045 | Struempel nasal forceps      | 45° upcurved | oval cup-shaped jaws | 110 cm         |
| S41090 | Struempel nasal forceps      | 90° upcurved | oval cup-shaped jaws | 10 cm          |



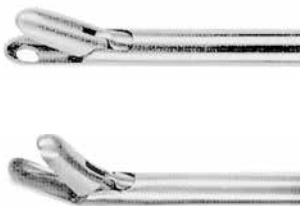
### BLAKESLEY SUCTION FORCEPS



| Number | Description                                    | Size         | Working Length   |
|--------|------------------------------------------------|--------------|------------------|
| S37001 | Blakesley suction forceps with suction channel | straight     | 1 = 3.5 mm 11 cm |
| S37002 | Blakesley suction forceps with suction channel | straight     | 2 = 4 mm 11 cm   |
| S37101 | Blakesley suction forceps with suction channel | 45° upturned | 1 = 3.5 mm 11 cm |
| S37102 | Blakesley suction forceps with suction channel | 45° upturned | 2 = 3.5 mm 11 cm |



### TAKAHASHI SUCTION FORCEP



| Number | Description                                               | Size         | Sheath Diameter | Working Length |
|--------|-----------------------------------------------------------|--------------|-----------------|----------------|
| S38001 | Takahashi suction forceps with integrated suction channel | straight     | 1 = 3.5 mm 4 mm | 10 cm          |
| S38002 | Takahashi suction forceps with integrated suction channel | straight     | 2 = 2.5 mm 4 mm | 10 cm          |
| S38101 | Takahashi suction forceps with integrated suction channel | 45° upturned | 1 = 3.5 mm 4 mm | 10 cm          |
| S38102 | Takahashi suction forceps with integrated suction channel | 45° upturned | 2 = 2.5 mm 4 mm | 10 cm          |



## BLAKESLEY SUCTION FORCEPS WITH INTEGRATED SUCTION CHANNEL



| Number | Description                                    |              | Size       | Diameter | Working Length |
|--------|------------------------------------------------|--------------|------------|----------|----------------|
| S36800 | BLAKESLEY suction forceps with suction channel | straight     | 0 = 2.5 mm | 4 mm     | 11 cm          |
| S36801 | BLAKESLEY suction forceps with suction channel | straight     | 1 = 3.5 mm | 4 mm     | 11 cm          |
| S36802 | BLAKESLEY suction forceps with suction channel | straight     | 2 = 4 mm   | 4 mm     | 11 cm          |
| S36900 | BLAKESLEY suction forceps with suction channel | 45° upcurved | 0 = 2.5 mm | 4 mm     | 10 cm          |
| S36901 | BLAKESLEY suction forceps with suction channel | 45° upcurved | 1 = 3.5 mm | 4 mm     | 10 cm          |
| S36902 | BLAKESLEY suction forceps with suction channel | 45° upcurved | 2 = 4 mm   | 4 mm     | 10 cm          |



## BLAKESLEY SUCTION FORCEPS FOR CHILDREN



| Number | Description                                                            |              | Jaw Size | Sheath diameter | Working Length |
|--------|------------------------------------------------------------------------|--------------|----------|-----------------|----------------|
| S36700 | Blakesley suction forceps for children with integrated suction channel | straight     | 2.5 mm   | 2.7 mm          | 10 cm          |
| S36745 | Blakesley suction forceps for children with integrated suction channel | 45° upcurved | 2.5 mm   | 2.7 mm          | 10 cm          |



### THROUGHTCUTTING FORCEPS WITH INTEGRATED SUCTION CHANNEL



| Number | Description                                              |                    | Bite | Working Length |
|--------|----------------------------------------------------------|--------------------|------|----------------|
| S35200 | Throught cutting forceps with integrated suction channel | straight           | 2 mm | 10 cm          |
| S35201 | Throught cutting forceps with integrated suction channel | 45° upcurved       | 2 mm | 10 cm          |
| S35204 | Throught cutting forceps with integrated suction channel | shaft 15° upcurved | 2 mm | 10 cm          |



### FOKKENS BIOPSY FORCEPS



| Number | Description            |              | Bite         | Working Length |
|--------|------------------------|--------------|--------------|----------------|
| S36000 | Fokkens Biopsy Forceps | straight     | 3 mm Ø       | 8 cm           |
| S36045 | Fokkens Biopsy Forceps | 45° upcurved | Round 3 mm Ø | 11 cm          |



SUPER PUNCH THRU CUT FORCEPS



| Number | Description                  |          | Bite        | Size | Working Length |
|--------|------------------------------|----------|-------------|------|----------------|
| S36400 | Super Punch Thru Cut forceps | straight | Oval 2 mm   | 0    | 13 cm          |
| S36401 | Super Punch Thru Cut forceps | straight | Oval 2.5 mm | 1    | 13 cm          |
| S36402 | Super Punch Thru Cut forceps | straight | Oval 3 mm   | 2    | 13 cm          |
| S36500 | Super Punch Thru Cut forceps | upcurved | Oval 2 mm   | 0    | 13 cm          |
| S36501 | Super Punch Thru Cut forceps | upcurved | Oval 2.5 mm | 1    | 13 cm          |
| S36502 | Super Punch Thru Cut forceps | upcurved | Oval 3 mm   | 2    | 13 cm          |



### ROTATING BACK BITER



| Number | Description                                                             | Bite                   | Working Length |
|--------|-------------------------------------------------------------------------|------------------------|----------------|
| S35015 | Rotating Backbiting Antrum Punch, finger post facilitates 360° rotation | pediatric size: 1.5 mm | 10 cm          |
| S35025 | Rotating Backbiting Antrum Punch, finger post facilitates 360° rotation | 2.5 mm                 | 10 cm          |
| S35050 | Toby micro backbiter finger post facilitates 360° rotation              | curved down            | 10 cm          |



### STAMMBERGER TYPE SIDEBITING ANTRUM PUNCH



| Number | Description             |                                | Working Length   |
|--------|-------------------------|--------------------------------|------------------|
| S34801 | Sidebiting antrum punch | leftside downward and forward  | throughcut 10 cm |
| S34802 | Sidebiting antrum punch | rightside downward and forward | throughcut 10 cm |

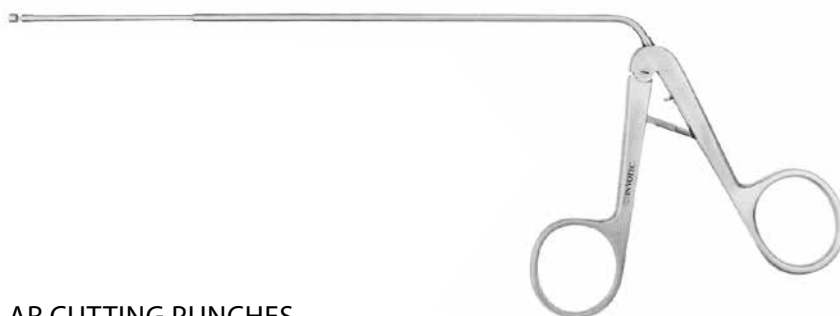


## BACKBITING ANTRUM

| Number | Description               |                              | Bite   | Working Length |
|--------|---------------------------|------------------------------|--------|----------------|
| S35000 | Antrum Punch - adult size | upside backwards cutting     | 2.5 mm | 10 cm          |
| S35001 | Antrum Punch - adult size | left side backwards cutting  | 2.5mm  | 10 cm          |
| S35002 | Antrum Punch - adult size | right side backwards cutting | 2.5mm  | 10 cm          |



| Number | Description              |                             | Bite   | Working Length |
|--------|--------------------------|-----------------------------|--------|----------------|
| S35020 | Antrum Punch - pediatric | upside backwards cutting    | 1.5 mm | 10 cm          |
| S35021 | Antrum Punch - pediatric | left side backwards cutting | 1.5 mm | 10 cm          |
| S35022 | Antrum Punch - pediatric | right side backward cutting | 1.5 mm | 10 cm          |

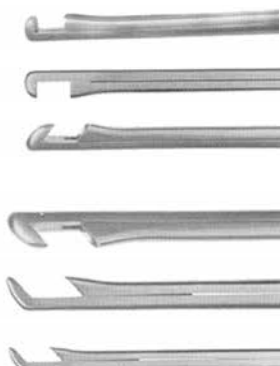


## CIRCULAR CUTTING PUNCHES

| Number | Description                                             |              | Diameter | Working length |
|--------|---------------------------------------------------------|--------------|----------|----------------|
| S34935 | Circular Cutting Punch cutting in a full circle of 360° |              | 3.5 mm   | 18 cm          |
| S34945 | Circular Cutting Punch cutting in a full circle of 360° |              | 4.5 mm   | 18 cm          |
| S34965 | Circular Cutting Punch cutting in a full circle of 360° | 65° upturned | 3.5 mm   | 17 cm          |
| S34975 | Circular Cutting Punch cutting in a full circle of 360° |              | 4.5 mm   | 18 cm          |



## BIOPSY FORCEPS



| Number | Description                                   |                         | Width       | Working Length |
|--------|-----------------------------------------------|-------------------------|-------------|----------------|
| S12001 | HAJEK Sphenoid Punch                          | 90° upbiting            | 4 mm        | 14 cm          |
| S12002 | HAJEK Sphenoid Punch                          | 90° downbiting          | 4 mm        | 14 cm          |
| S12201 | HAJEK Sphenoid Punch                          | 45° upbiting backward   | 4 mm        | 14 cm          |
| S12202 | HAJEK-KOFLER Sphenoid Punch                   | 45° downbiting backward | 4 mm x 4 mm | 14 cm          |
| S12301 | HAJEK-KOFLER Sphenoid Punch                   | 45° upbiting forward    | 4 mm x 4 mm | 14 cm          |
| S12302 | HAJEK-KOFLER Sphenoid Punch<br>bite 2mm x 2mm | 45° upbiting forward    | 4 mm x 4 mm | 14 cm          |



## BEYER ANTRUM PUNCH

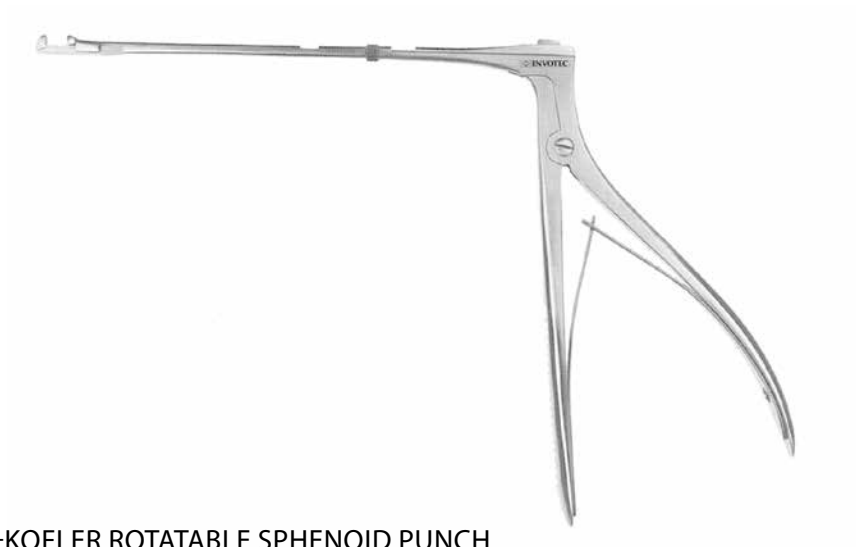


| Number | Description        |                            | Width | Working Length |
|--------|--------------------|----------------------------|-------|----------------|
| S12500 | BEYER Antrum Punch | 90° throughbiting upwards  | 2 mm  | 9 cm           |
| S12600 | BEYER Antrum Punch | 90° throughbiting backward | 2 mm  | 9 cm           |



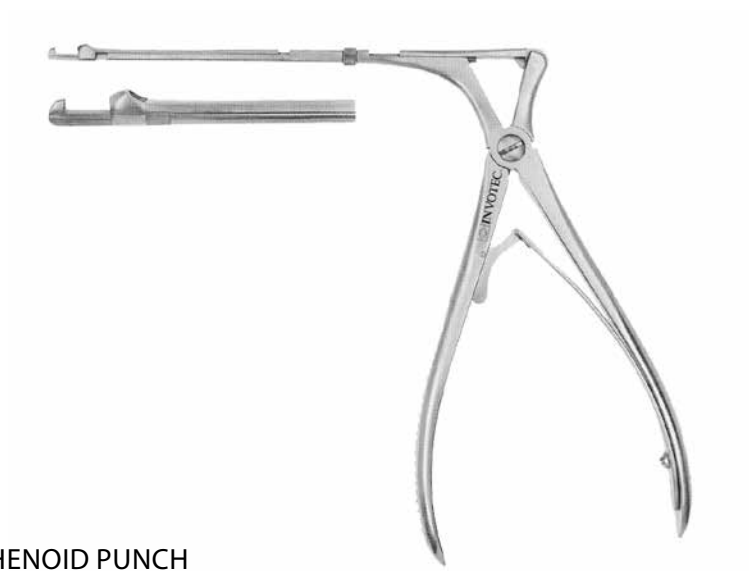
## HAJEK-KOFLER ROTATABLE SPHENOID PUNCH

| Number | Description                 |                 |                 | Working Length |
|--------|-----------------------------|-----------------|-----------------|----------------|
| S13000 | Hajek-Kofler Sphenoid punch | reversible 360° | slender pattern | 17 cm          |



## ROTATABLE SPHENOID PUNCH

| Number | Description    |                 |                |                 | Bite | Working Length |
|--------|----------------|-----------------|----------------|-----------------|------|----------------|
| S13100 | Sphenoid punch | reversible 360° | throughcutting | slender pattern | 2 mm | 14.5 cm        |





## KERRISON ANTRUM PUNCH

| Number | Description                |              | Bite | Working Length |
|--------|----------------------------|--------------|------|----------------|
| S12902 | FS-Kerrison sphenoid punch | 90° upbiting | 2 mm | 18 cm          |
| S12903 | FS-Kerrison sphenoid punch | 90° upbiting | 3 mm | 18 cm          |

|        |                            |              |      |       |
|--------|----------------------------|--------------|------|-------|
| S12922 | FS-Kerrison sphenoid punch | 40° upbiting | 2 mm | 18 cm |
| S12923 | FS-Kerrison sphenoid punch | 40° upbiting | 3 mm | 18 cm |



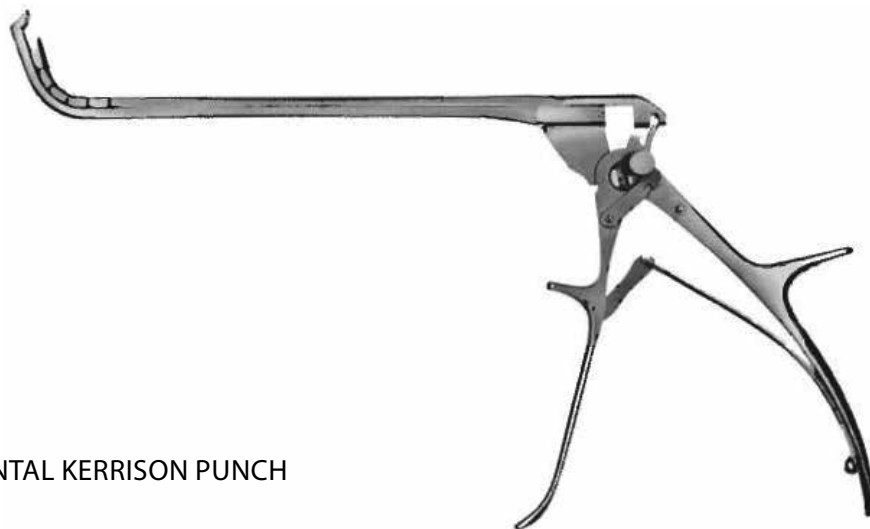
| Number | Description  |                | Bite | Working Length |
|--------|--------------|----------------|------|----------------|
| S12402 | Antrum punch | throughcutting | 2 mm | 18 cm          |
| S12403 | Antrum punch | throughcutting | 3 mm | 15 cm          |

|        |                                  |                 |      |        |
|--------|----------------------------------|-----------------|------|--------|
| S13100 | Sphenoid punch - slender pattern | reversible 360° | 2 mm | 14.5cm |
|--------|----------------------------------|-----------------|------|--------|

| Number | Description                                                                    |
|--------|--------------------------------------------------------------------------------|
| S12410 | Stylet, for removal of the bone material from the deposit of S12402 and S12403 |

|        |               |                  |        |       |
|--------|---------------|------------------|--------|-------|
| S12800 | Ethmoid punch | backward cutting | 2.5 mm | 17 mm |
|--------|---------------|------------------|--------|-------|



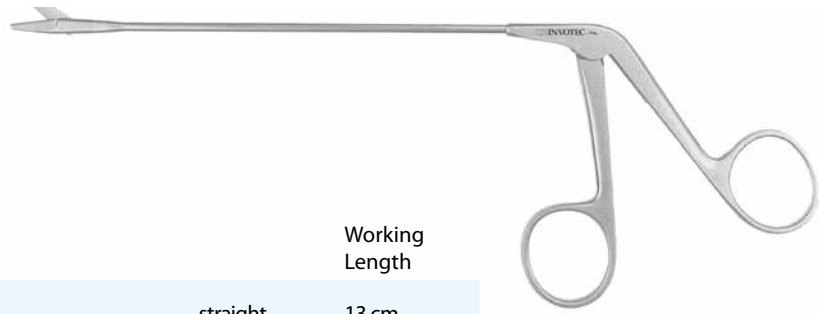


FRONTAL KERRISON PUNCH

| Number | Description         |        |                       | Bite | Working Length |
|--------|---------------------|--------|-----------------------|------|----------------|
| S12602 | Frontal sinus punch | 70° up | 40° up biting forward | 2 mm | 17.5 cm        |
| S12603 | Frontal sinus punch | 70° up | 40° up biting forward | mm   | 17.5 cm        |

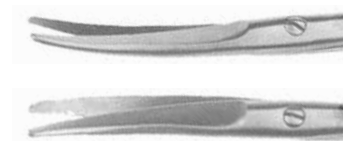
## INTRANASAL SCISSORS

| Number | Description            |                 |              |              | Working Length |
|--------|------------------------|-----------------|--------------|--------------|----------------|
| S26200 | Nasal scissors         | serrated blades | straight     |              | 13 cm          |
| S26201 | Nasal scissors         | serrated blades | curved left  |              | 13 cm          |
| S26202 | Nasal scissors         | serrated blades | curved right |              | 13 cm          |
| S26210 | Nasal scissors - small | serrated blades | 3.5 mm       | straight     | 12 cm          |
| S26211 | Nasal scissors - small | serrated blades | 3.5 mm       | curved right | 12 cm          |
| S26212 | Nasal scissors - small | serrated blades | 3.5 mm       | curved left  | 12 cm          |



## EYMANN NASAL SCISSORS

| Number | Description            |                 |              |            | Working Length |
|--------|------------------------|-----------------|--------------|------------|----------------|
| S26000 | Heymann nasal scissors | smooth blades   | straight     |            | 9.5 cm         |
| S26100 | Heymann nasal scissors | serrated blades | straight     |            | 9.5 cm         |
| S26101 | Heymann nasal scissors | smooth blades   | curved left  |            | 9.5 cm         |
| S26102 | Heymann nasal scissors | smooth blades   | curved right |            | 9.5 cm         |
| S26009 | Heymann nasal scissors | serrated blades | straight     | small size | 9 cm           |
| S26011 | Heymann nasal scissors | serrated blades | straight     | small size | 11 cm          |

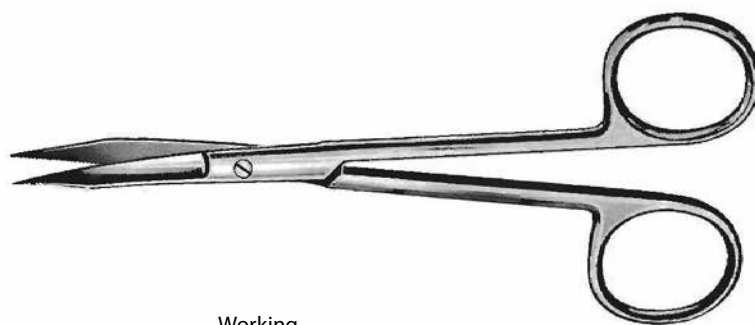


| Number | Description       |  |          |  | Working Length |
|--------|-------------------|--|----------|--|----------------|
| S42000 | BELLUCCI Scissors |  | straight |  | 10 cm          |

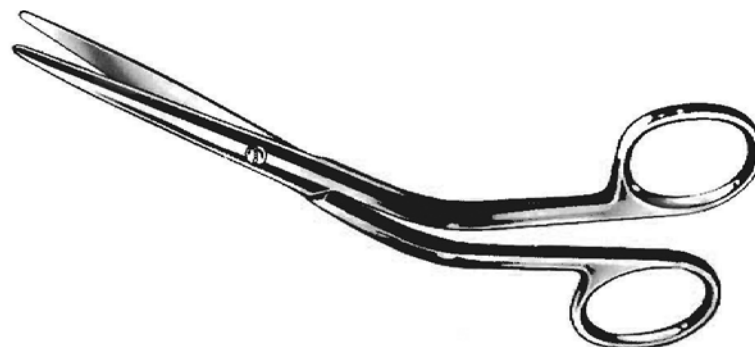




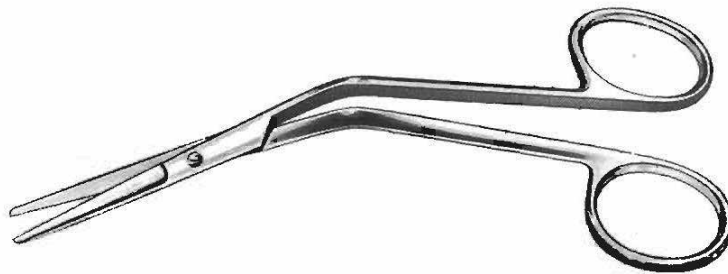
| Number | Description            |          |  | Working Length |
|--------|------------------------|----------|--|----------------|
| R40700 | Caplan septum scissors | straight |  | 22 cm          |
| R40600 | Caplan septum scissors | angled   |  | 22 cm          |



| Number | Description      |     |          |             |          | Working Length |
|--------|------------------|-----|----------|-------------|----------|----------------|
| R68210 | Goldman scissors | Fox | tenotomy | serrated    | straight | 13 cm          |
| R68310 | Goldman scissors | Fox | tenotomy | serrated    | curved   | 13 cm          |
| R68413 | Goldman scissors | Fox | tenotomy | TC supercut | straight | 13 cm          |
| R68613 | Goldman scissors | Fox | tenotomy | TC supercut | curved   | 13 cm          |



| Number | Description            |         |  | Working Length |
|--------|------------------------|---------|--|----------------|
| R39100 | Cottle dorsal scissors | angular |  | 16 cm          |

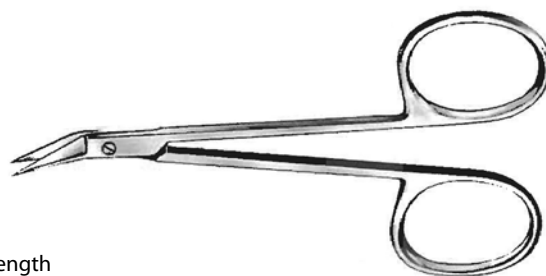


| Number | Description | Working Length |
|--------|-------------|----------------|
|--------|-------------|----------------|

|        |                                        |         |
|--------|----------------------------------------|---------|
| R39000 | Fomon dorsal scissors angular delicate | 13.5 cm |
|--------|----------------------------------------|---------|

|        |                                                |         |
|--------|------------------------------------------------|---------|
| R39001 | Fomon dorsal scissors angular standard pattern | 13.5 cm |
|--------|------------------------------------------------|---------|

|        |                                     |         |
|--------|-------------------------------------|---------|
| R38612 | Fomon lower lateral curved scissors | 13.5 cm |
|--------|-------------------------------------|---------|



| Number | Description | Working Length |
|--------|-------------|----------------|
|--------|-------------|----------------|

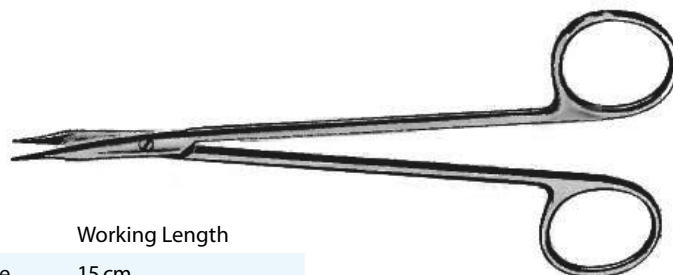
|        |                              |       |
|--------|------------------------------|-------|
| R38410 | Wilmer Angled sh/sh scissors | 10 cm |
|--------|------------------------------|-------|



| Number | Description | Working Length |
|--------|-------------|----------------|
|--------|-------------|----------------|

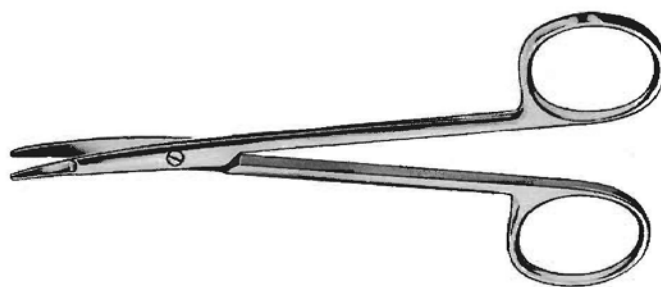
|        |                          |       |
|--------|--------------------------|-------|
| R76514 | Joseph scissors straight | 14 cm |
|--------|--------------------------|-------|

|        |                        |       |
|--------|------------------------|-------|
| R76614 | Joseph scissors curved | 14 cm |
|--------|------------------------|-------|

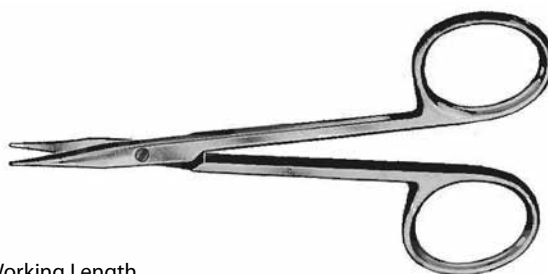


| Number | Description | Working Length |
|--------|-------------|----------------|
|--------|-------------|----------------|

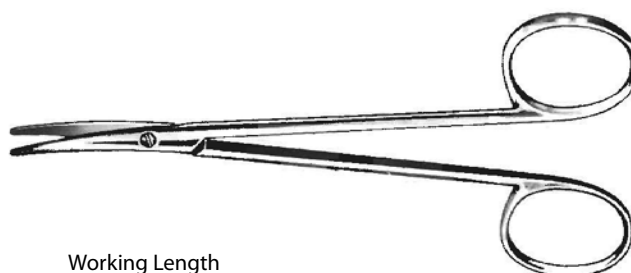
|        |                                              |       |
|--------|----------------------------------------------|-------|
| R79615 | Reynolds dissection scissors curved delicate | 15 cm |
|--------|----------------------------------------------|-------|



| Number | Description                                | Working Length |
|--------|--------------------------------------------|----------------|
| R38712 | Kilner (Ragnell) scissors curved flat tips | 12 cm          |



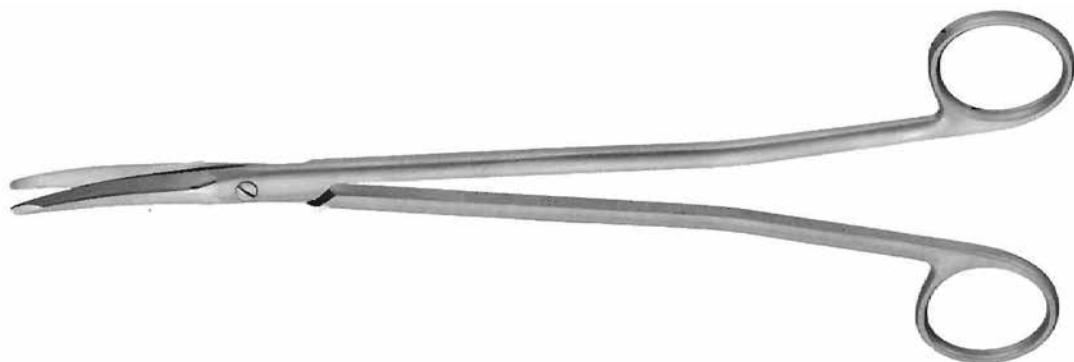
| Number | Description                               | Working Length |
|--------|-------------------------------------------|----------------|
| R68210 | Stevens Tenotomy scissors straight blunt  | 11.5 cm        |
| R68310 | Stevens Tenotomy scissors curved blunt    | 11.5 cm        |
| R68411 | Stevens Tenotomy scissors straight sharp  | 11.5 cm        |
| R68410 | Stevens Tenotomy scissors straight curved | 11.5 cm        |



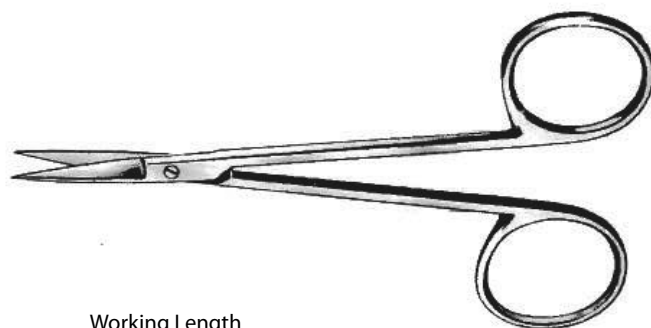
| Number | Description                              | Working Length |
|--------|------------------------------------------|----------------|
| R77010 | Strabismus scissors blunt/blunt straight | 10.5 cm        |
| R77110 | Strabismus scissors blunt/blunt curved   | 10.5 cm        |
| R77212 | Strabismus scissors blunt/blunt straight | 11.5 cm        |
| R77312 | Strabismus scissors blunt/blunt curved   | 11.5 cm        |



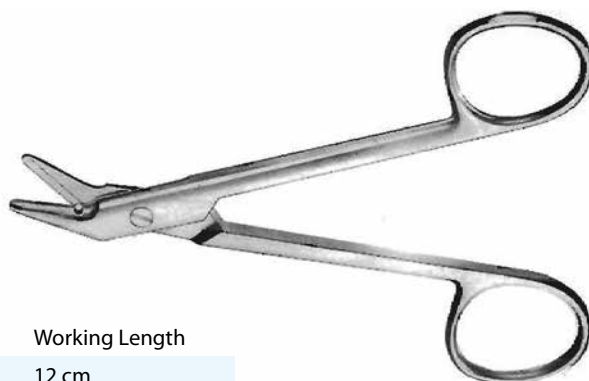
| Number  | Description                  | Working Length |
|---------|------------------------------|----------------|
| R047712 | Kaye Blepharoplasty scissors | 11.5 cm        |



| Number | Description              | Working Length |
|--------|--------------------------|----------------|
| R47519 | Gorney facelift scissors | 19 cm          |



| Number | Description   |             |          | Working Length |
|--------|---------------|-------------|----------|----------------|
| R77510 | Iris scissors | sharp/sharp | straight | 10.5 cm        |
| R77610 | Iris scissors | sharp/sharp | curved   | 10.5 cm        |
| R77712 | Iris scissors | sharp/sharp | straight | 11.5 cm        |
| R77812 | Iris scissors | sharp/sharp | curved   | 11.5 cm        |



| Number | Description           | Working Length |
|--------|-----------------------|----------------|
| R77901 | Wire cutter universal | 12 cm          |



| Number | Description            | Working Length |
|--------|------------------------|----------------|
| R13000 | Freer Mucosa knife "D" | 15 cm          |



| Number | Description                     | Diameter | Working Length |
|--------|---------------------------------|----------|----------------|
| R19001 | Ballenger swivel knife bayonet  | 3 mm     | 20 cm          |
| R19002 | Ballenger swivel knife bayonet  | 4 mm     | 20 cm          |
| R65015 | Ballenger swivel knife bayonet  | 5 mm     | 20 cm          |
| R65003 | Ballenger swivel knife straight | 3 mm     | 20 cm          |
| R65004 | Ballenger swivel knife straight | 4 mm     | 20 cm          |
| R65005 | Ballenger swivel knife straight | 5 mm     | 20 cm          |



| Number | Description                      | Working Length |
|--------|----------------------------------|----------------|
| S03000 | Cottle nasal knife rounded edges | 15 cm          |



| Number | Description                               | Working Length |
|--------|-------------------------------------------|----------------|
| S32000 | Masing nasal knife slight curve round tip | 13 cm          |



| Number | Description     |
|--------|-----------------|
| R29003 | #3 Knife Handle |
| R29007 | #7 Knife Handle |



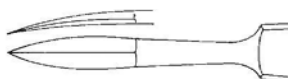
| Number | Description                  | Working Length |
|--------|------------------------------|----------------|
| R71065 | Maltz cartilage knife angled | 16 cm          |



| Number  | Description                              | Working Length |
|---------|------------------------------------------|----------------|
| R353600 | Fomon double-edge knife curved blunt tip | 16 cm          |



| Number | Description                                       | Working Length |
|--------|---------------------------------------------------|----------------|
| R34000 | Joseph button-end knife straight                  | 15 cm          |
| R34100 | Joseph-Converse button-end knife (Bistory) curved | 15 cm          |
| R35000 | Joseph nasal knife straight pointed tip           | 15 cm          |
| R35100 | Joseph nasal knife curved pointed tip             | 15 cm          |
| R35200 | Joseph nasal knife straight blunt tip             | 15 cm          |
| R35300 | Joseph nasal knife curved blunt tip               | 15 cm          |
| R71060 | Joseph angled cartilage knife (Hockey Stick)      | 15 cm          |



## JOSEPH NASAL SAW



| Number |               | Working Length |
|--------|---------------|----------------|
| R48100 | straight      | 19 cm          |
| R48001 | bayonet       | 19 cm          |
| R48002 | bayonet       | 19 cm          |
| R76022 | bend to left  | 17 cm          |
| R76021 | bend to right | 17 cm          |

## FREER SEPTAL CHISEL



| Number |          | Working Length |
|--------|----------|----------------|
| R20001 | straight | 16 cm          |
| R20002 | curved   | 16 cm          |

## BALLENGER "V" SEPTAL GOUGE



| Number | Width | Working Length |
|--------|-------|----------------|
| R60704 | 4 mm  | 16 cm          |
| R60706 | 6 mm  | 16 cm          |
| R60708 | 8 mm  | 16 cm          |



## KILLIAN BAYONET NASAL GOUGE

| Number | Working Length |
|--------|----------------|
| R21000 | 17cm           |
| R21100 | 17cm           |

## COTTLE OSTEOTOME

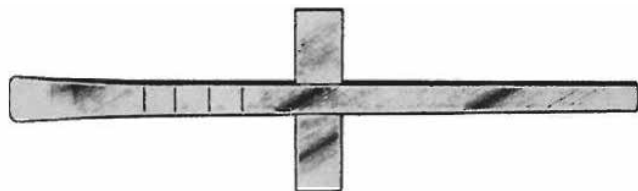


| Number |           |          | Width | Working Length |
|--------|-----------|----------|-------|----------------|
| R07004 | graduated | straight | 4 mm  | 18 cm          |
| R07007 | graduated | straight | 7 mm  | 18 cm          |
| R07009 | graduated | straight | 9 mm  | 18 cm          |
| R07012 | graduated | straight | 12 mm | 18 cm          |



#### COTTLE DOUBLE GUARDED OSTEOTOME

| Number | Width | Working Length |
|--------|-------|----------------|
| R61516 | 16 mm | 18 cm          |



#### COTTLE DOUBLE GUARDED OSTEOTOME

| Number |           | Width | Working Length |
|--------|-----------|-------|----------------|
| R10516 | cross bar | 16 mm | 18 cm          |



#### RUBIN DOUBLE GUARDED OSTEOTOME

| Number | Width | Working Length |
|--------|-------|----------------|
| R06010 | 10 mm | 18 cm          |
| R06012 | 12 mm | 18 cm          |
| R06014 | 14 mm | 18 cm          |



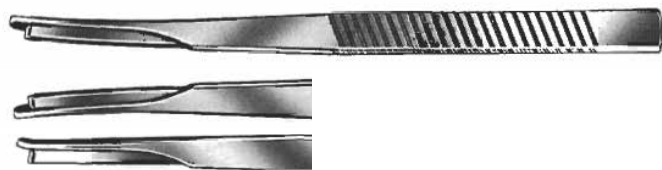
#### CINELLI DOUBLE GUARDED OSTEOTOME

| Number  | Width | Working Length |
|---------|-------|----------------|
| R060510 | 10 mm | 18 cm          |
| R060512 | 12 mm | 18 cm          |
| R060514 | 14 mm | 18 cm          |
| R060516 | 16 mm | 18 cm          |



#### FOMON SINGLE GUARDED CHISEL

| Number | Width | Working Length |
|--------|-------|----------------|
| R63904 | 4 mm  | 17 cm          |
| R63905 | 5 mm  | 17 cm          |
| R63906 | 6 mm  | 17 cm          |
| R63907 | 7 mm  | 17 cm          |



### MASING SINGLE GUARDED CHISEL

| Number |             | Working Length |
|--------|-------------|----------------|
| R10000 | straight    | 17.5 cm        |
| R10001 | curve left  | 17.5 cm        |
| R10002 | curve right | 17.5 cm        |



### CONVERSE SINGLE GUARDED OSTEOTOME

| Number |          | Working Length |
|--------|----------|----------------|
| R07900 | straight | 19 cm          |
| R07901 | left     | 19 cm          |
| R07902 | right    | 19 cm          |



### SILVER SINGLE GUARDED OSTEOTOME

| Number | Width    | Working Length |
|--------|----------|----------------|
| S12500 | straight | 18 cm          |
| S12501 | left     | 18 cm          |
| S12502 | right    | 18 cm          |



### NEIVERT SINGLE GUARDED OSTEOTOME

| Number |          | Working Length |
|--------|----------|----------------|
| R12000 | straight | 20 cm          |
| R12001 | curved   | 20 cm          |
| R12002 | curved   | 20 cm          |



### WEST CHISEL

| Number | Width | Working Length |
|--------|-------|----------------|
| R11000 | 4 mm  | 18 cm          |



#### WEST GOUGE

| Number | Width | Working Length |
|--------|-------|----------------|
| R11100 | 4 mm  | 18 cm          |

#### MINI OSTEOTOME

| Number | Width | Working Length |
|--------|-------|----------------|
| R07602 | 2 mm  | 18 cm          |
| R07603 | 3 mm  | 18 cm          |

## FREER ELEVATOR



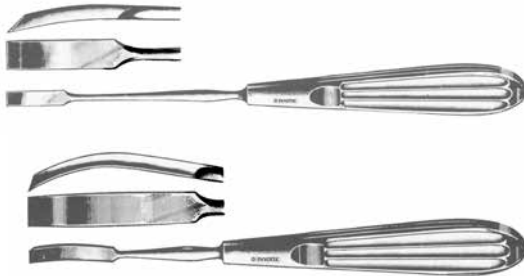
| Number | Description              | Working Length |
|--------|--------------------------|----------------|
| N15000 | double-ended USA Model   | 20 cm          |
| R15100 | double-ended sharp/blunt | 18 cm          |

## GORNEY SUCTION ELEVATOR



| Number | Description             | Working Length |
|--------|-------------------------|----------------|
| S05800 | Elevator stylet 3mm tip | 19 cm          |

## LEMPERT JOSEPH ELEVATOR



| Number | Description | Width | Working Length |
|--------|-------------|-------|----------------|
| R26052 | straight    | 2 mm  | 20 cm          |
| R26057 | straight    | 3 mm  | 20 cm          |
| R26058 | curved      | 3 mm  | 20 cm          |
| R26070 | wide        | 6 mm  | 20 cm          |
| R26071 | wide        | 6 mm  | 18 cm          |

## MCKENTY ELEVATOR



| Number | Description  | Width | Working Length |
|--------|--------------|-------|----------------|
| R02004 | single ended | 4 mm  | 14.5 cm        |
| R02005 | single ended | 5 mm  | 14.5 cm        |
| R02500 | double-ended |       | 21.5 cm        |

## KILLIAN SEPTUM ELEVATOR



| Number | Description       | Working Length |
|--------|-------------------|----------------|
| R16000 | sharp/blunt short | 18 cm          |
| R16100 | sharp/blunt long  | 22cm           |

## MASING ELEVATOR



| Number | Description                        | Working Length |
|--------|------------------------------------|----------------|
| R05000 | double-ended sharp/blunt graduated | 21.5 cm        |

## COTTLE ELEVATORS



| Number | Description             |       |  | Working Length |
|--------|-------------------------|-------|--|----------------|
| R04500 | double-ended, graduated | blunt |  | 21 cm          |
| R05500 | tunneling elevator      |       |  | 23 cm          |

## PIERCE ELEVATOR



| Number | Description  |              |  | Working Length |
|--------|--------------|--------------|--|----------------|
| R35821 | double ended | right - left |  | 21 cm          |

## PENNINTON ELEVATOR



| Number | Description  |            |  | Working Length |
|--------|--------------|------------|--|----------------|
| R05600 | double-ended | right/left |  | 21 cm          |

## SEWALL ANTRUM



| Number | Description     | Working Length |
|--------|-----------------|----------------|
| R18000 | Antrum elevator | 19.5 cm        |

## PROBES

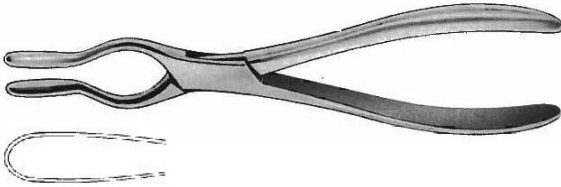


| Number | Description                   |              |        | Working Length |
|--------|-------------------------------|--------------|--------|----------------|
| S18725 | Frontal sinus ostium seeker   | double-ended | curved | 19 cm          |
| S18619 | Maxillary sinus ostium seeker | double-ended | ball   | 19 cm          |



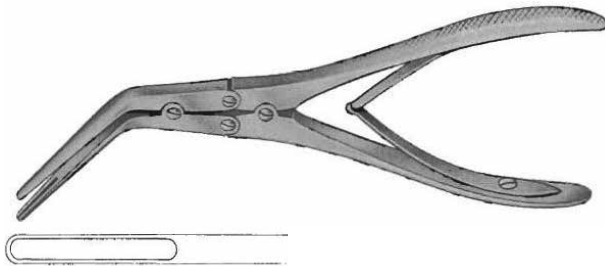
### ASCH SEPTUM STRAIGHTENING FORCEPS

| Number |                       | Working Length |
|--------|-----------------------|----------------|
| R45000 | Straightening forceps | 23cm           |



### COTTLE-WALSHAM STRAIGHTENING FORCEPS

| Number | Description                             | Working Length |
|--------|-----------------------------------------|----------------|
| R44000 | Septum straightening forceps both sides | 23 cm          |
| R44101 | Septum straightening forceps left       | 23 cm          |
| R44102 | Septum straightening forceps right      | 23 cm          |



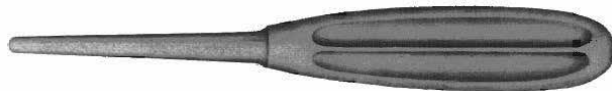
### KRESSNER TURBinate CRUSHING FORCEPS

| Number | Description                  | Working Length |
|--------|------------------------------|----------------|
| R47003 | Crushing forceps 2.5 x 60 mm | 20 cm          |
| R47004 | Crushing forceps 4 x 70 mm   | 20 cm          |
| R47005 | Crushing forceps 5 x 75 mm   | 20 cm          |



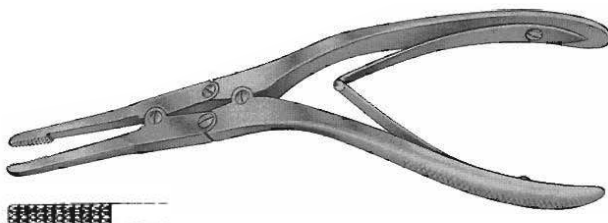
### BOISE NASAL FRACTURE ELEVATOR

| Number | Description                | Working Length |
|--------|----------------------------|----------------|
| R61000 | "Butter Knife" blunt, oval | 18 cm          |



### GOLDMAN SEPTUM DISPLACER

| Number | Description            | Working Length |
|--------|------------------------|----------------|
| R61100 | Septum displacer short | 20 cm          |



### RUBIN SEPTUM MORCELIZER

| Number | Description                           | Working Length |
|--------|---------------------------------------|----------------|
| R42000 | Rubin septum morcelizer double action | 20 cm          |
| R76570 | Guard for Rubin septum morcelizer     |                |



#### JANSON MIDDLETON DOUBLE ACTION FORCEPS

| Number | Description                              | Working Length |
|--------|------------------------------------------|----------------|
| R35600 | Double action through-cut septal forceps | 19 cm          |
| R35500 | Double action oval spoon nasal forceps   | 19 cm          |

#### STRUYCHEN THROUGH-CUT FORCEPS

| Number | Description                | Working Length |
|--------|----------------------------|----------------|
| S27500 | small through-cut forceps, | 11 cm          |
| S27501 | large through-cut forceps, | 11 cm          |



### ANTRUM CURETTE



| Number | Description |            |                  | Working Length |
|--------|-------------|------------|------------------|----------------|
| S18001 | Oval        | size 1     |                  | 19 cm          |
| S18002 | Oval        | size 2     |                  | 19 cm          |
| S18003 | Oval        | size 3     |                  | 19 cm          |
| S18101 | Round       | small size |                  | 19 cm          |
| S18102 | Oblong      | small size |                  | 19 cm          |
| S18103 | Oblong      | large size |                  | 19 cm          |
| S18203 | Oblong      | small size | forward cutting  | 19 cm          |
| S18204 | Oblong      | small size | backward cutting | 19 cm          |

### SINUS FRONTAL CURETTE

| Number | Description |            |            | Working Length |
|--------|-------------|------------|------------|----------------|
| S18104 | Oblong      | small size | 55° curved | 19 cm          |
| S18105 | Oblong      | small size | 90° curved | 19 cm          |



### HALLE ANTRUM CURETTE

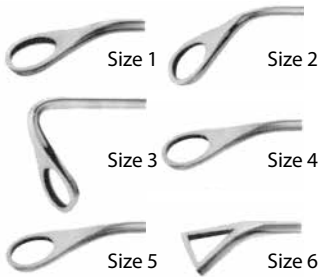


| Number | Description |        |  | Working Length |
|--------|-------------|--------|--|----------------|
| S06001 | malleable   | size 1 |  | 21 cm          |
| S06002 | malleable   | size 2 |  | 21 cm          |
| S06003 | malleable   | size 3 |  | 21 cm          |

### ANTRUM CURETTE



| Number | Description  |  |  | Working Length |
|--------|--------------|--|--|----------------|
| S06101 | curved left  |  |  | 21 cm          |
| S06102 | curved right |  |  | 21 cm          |



COAKLEY ANTRUM CURETTE

| Number | Description | Working Length |
|--------|-------------|----------------|
| S03001 | size 1      | 17 cm          |
| S03002 | size 2      | 17 cm          |
| S03003 | size 3      | 17 cm          |
| S03004 | size 4      | 17 cm          |
| S03005 | size 5      | 17 cm          |
| S03006 | size 6      | 17 cm          |

FAULKNER ANTRUM CURETTE

| Number | Description  |
|--------|--------------|
| S04000 | Double ended |



### TIECK-HALLE NASAL SPECULUM

| Number |             | Working Length |
|--------|-------------|----------------|
| S40000 | For infants | 13.5 cm        |
| S43001 | For adults  | 13.5 cm        |



### BECKMAN ENDAURAL SPECULUM

| Number | Description | Working Length |
|--------|-------------|----------------|
| S06501 | Small       | 15 cm          |
| S06502 | Medium      | 15 cm          |
| S06503 | Large       | 15 cm          |



### HARTMANN NASAL SPECULUM

| Number | Description | Working Length |
|--------|-------------|----------------|
| S43001 | Large 35 mm | 13.5 cm        |

### HARTMANN-HALLE NASAL SPECULUM

|        |        |       |
|--------|--------|-------|
| S41001 | Size 1 | 15 cm |
| S41002 | Size 2 | 15 cm |
| S41003 | Size 3 | 15 cm |



### HARTMANN ECONOMY

| Number | Description           | Working Length |
|--------|-----------------------|----------------|
| S43500 | Office nasal speculum | 14 cm          |



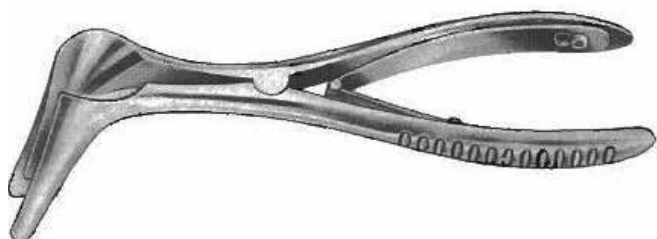
### VIENNA NASAL SPECULUM

| Number | Description | Working Length |
|--------|-------------|----------------|
| S41601 | Small       | 14.5 cm        |
| S41602 | Medium      | 14.5 cm        |
| S41603 | Large       | 14.5 cm        |



#### COTTLE NASAL SPECULUM WITH SET SCREW

| Number | Description | Working Length |
|--------|-------------|----------------|
| S00001 | 35 mm       | 15 cm          |
| S00002 | 50 mm       | 15 cm          |
| S00003 | 75 mm       | 15 cm          |
| S00004 | 90 mm       | 15 cm          |



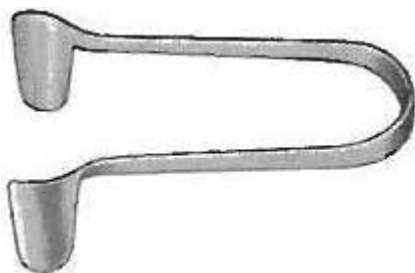
#### COTTLE NASAL SPECULUM WITHOUT SET SCREW

| Number | Description | Working Length |
|--------|-------------|----------------|
| S00101 | 35 mm       | 15 cm          |
| S00102 | 50 mm       | 15 cm          |
| S00103 | 75 mm       | 15 cm          |
| S00104 | 90 mm       | 15 cm          |



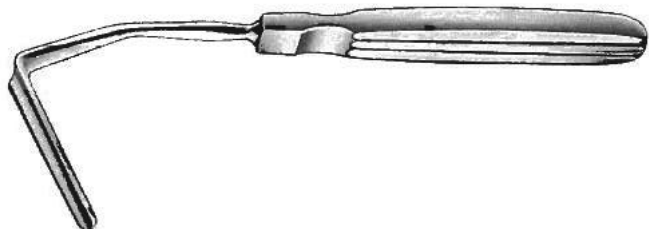
#### KILLIAN NASAL SPECULUM

| Number | Description | Working Length |
|--------|-------------|----------------|
| S42001 | 35 mm       | 13 cm          |
| S42002 | 50 mm       | 13 cm          |
| S42003 | 75 mm       | 13 cm          |
| S42004 | 90 mm       | 13 cm          |



#### THUDICHUM (GOLDSMITH) SPRING NASAL SPECULUM

| Number | Description |
|--------|-------------|
| S41301 | # 1         |
| S41302 | # 2         |
| S41303 | # 3         |



#### AUFRECHT NASAL RETRACTOR

| Number | Description | Working Length |
|--------|-------------|----------------|
| R22500 | 60 mm blade | 16 cm          |
| R22600 | 45 mm blade | 16 cm          |

## COTTLE ALAR RETRACTOR



| Number | Description    | Working Length |
|--------|----------------|----------------|
| R19000 | Vein retractor | 15 cm          |
| R19500 | Vein retractor | 15 cm          |



### SENN RETRACTOR



| Number | Description     | Working Length |
|--------|-----------------|----------------|
| R65000 | Sharp retractor | 16 cm          |
| R65100 | Dull retractor  | 16 cm          |

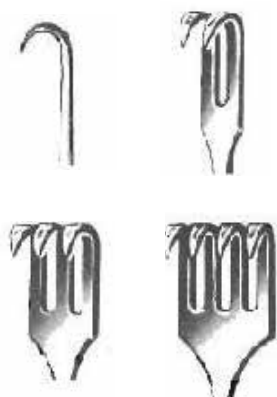


### REGNELL-DAVIS RETRACTOR

| Number           | Working Length |
|------------------|----------------|
| R12514 Retractor | 14 cm          |



### PLASTICS RAKES



| Number | Description             | Working Length |
|--------|-------------------------|----------------|
| R67004 | Sharp retractor 4 prong | 16 cm          |
| R67003 | Sharp retractor 3 prong | 16 cm          |
| R67002 | Sharp retractor 2 prong | 16 cm          |
| R67001 | Sharp retractor 1 prong | 16 cm          |

| Number | Description            | Working Length |
|--------|------------------------|----------------|
| R68004 | Dull retractor 4 prong | 16 cm          |
| R68003 | Dull retractor 3 prong | 16 cm          |
| R68002 | Dull retractor 2 prong | 16 cm          |
| R68001 | Dull retractor 1 prong | 16 cm          |



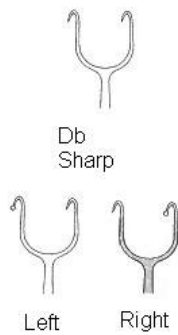
### COTTLE RETRACTOR

| Number | Description                                              | Working Length |
|--------|----------------------------------------------------------|----------------|
| R18000 | Retractor with 4 prong blunt, middle two teeth shortened | 14 cm          |



### COTTLE TENACULUM HOOK

| Number  | Description |        | Working Length |
|---------|-------------|--------|----------------|
| R15000C | delicate    | angled | 16 cm          |
| R151000 | delicate    | curved | 16 cm          |



### COTTLE NARES DOUBLE HOOK

| Number | Description                              | Working Length |
|--------|------------------------------------------|----------------|
| R16000 | Sharp on Left, dull on right double hook | 14 cm          |
| R16100 | Sharp on Right, dull on left double hook | 14 cm          |
| R16200 | Sharp double hook                        | 14 cm          |



### COTTLE-NEIVERT KNIFE GUIDE/NARES DOUBLE BALL HOOK

| Number | Description                        | Working Length |
|--------|------------------------------------|----------------|
| R20000 | Large double ball hook/knife guide | 20 cm          |



### NEIVERT-MASING KNIFE GUIDE AND NARES RETRACTOR

| Number | Description                     | Working Length |
|--------|---------------------------------|----------------|
| R20500 | Knife guide and nares retractor | 20 cm          |



FOMON DOUBLE BALL NASES HOOK

| Number | Description                       | Working Length |
|--------|-----------------------------------|----------------|
| R16600 | Double ball noses hook 10 mm wide | 16 cm,         |



CONVERSE DOUBLE END HOOK

| Number | Description      | Working Length |
|--------|------------------|----------------|
| R24200 | Alar double hook | 12 cm          |



KILNER ALAR DOUBLE HOOK RETRACTOR

| Number | Description           | Working Length |
|--------|-----------------------|----------------|
| R24300 | double hook retractor | 8 cm           |



COTTLE (MILLIARD) DOUBLE HOOK THIMBLE RETRACTOR

| Number | Description                   |
|--------|-------------------------------|
| R22800 | double hook thimble retractor |



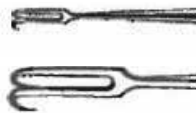
FREER-GUTHRIE MICRO DOUBLE HOOK

| Number | Description             | Working Length |
|--------|-------------------------|----------------|
| R16400 | Micro double hook sharp | 15 cm          |





### JOSEPH DOUBLE HOOK



| Number | Description | Working Length |
|--------|-------------|----------------|
| R16502 | 2 mm        | 16 cm          |
| R16505 | 5 mm        | 16 cm          |
| R16507 | 7 mm        | 16 cm          |
| R16510 | 10 mm       | 16 cm          |



### NERVE HOOK

| Number | Description | Working Length |
|--------|-------------|----------------|
| R61301 | Blunt hook  | 18 cm          |



### VOLKMAN BONE HOOK

| Number | Description     | Working Length |
|--------|-----------------|----------------|
| R05701 | Sharp bone hook | 21.5 cm        |



#### WEINER ANTRUM RASP

| Number | Description | Working Length |
|--------|-------------|----------------|
| R08101 | Sharp rasp  | 18 cm          |



| Number | Description | Working Length |
|--------|-------------|----------------|
| R08102 | Dull rasp   | 18 cm          |



#### WATSON-WILLIAMS ANTRUM RASP

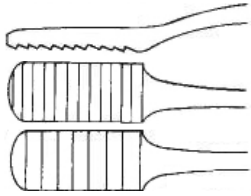
| Number | Description | Working Length |
|--------|-------------|----------------|
| R08500 | Antrum Rasp | 23 cm          |



#### FRONTAL SINUS RASP

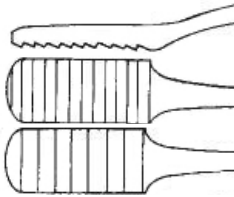
| Number | Description        | Working Length  |
|--------|--------------------|-----------------|
| R18110 | Frontal Sinus Rasp | strong pattern  |
| R18111 | Frontal Sinus Rasp | slender pattern |





#### LEWIS "SWEEPER" RASP

| Number | Description    |         |        | Working Length |
|--------|----------------|---------|--------|----------------|
| R56600 | Rasp "Sweeper" | Downcut | fine   | 18 cm          |
| R56700 | Rasp "Sweeper" | Downcut | coarse | 18 cm          |



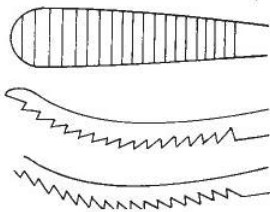
#### LEWIS "SWEEPER" TC RASP

| Number | Description       |         |        | Working Length |
|--------|-------------------|---------|--------|----------------|
| R36501 | TC rasp "Sweeper" | Downcut | fine   | 18 cm          |
| T36502 | TC rasp "Sweeper" | Downcut | coarse | 18 cm          |



#### COTTLE DOWNCUT RASP

| Number | Description  | Working Length |
|--------|--------------|----------------|
| R54000 | Downcut rasp | 21 cm          |



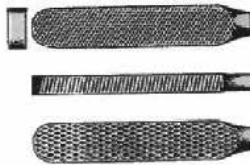
#### AUFRICHT CURVED GLABELLA RASP

| Number | Description      | Working Length |
|--------|------------------|----------------|
| R54500 | Push up cut rasp | 21 cm          |
| R54600 | Pull down cut    | 21 cm          |



#### MALTZ SLOTTED RASP

| Number | Description  | Working Length |
|--------|--------------|----------------|
| R53500 | Slotted rasp | 18 cm          |

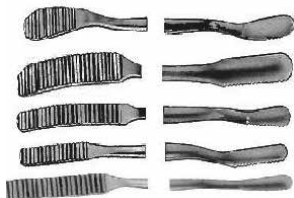


### MASING - FOMON DOUBLE ENDED NASAL RASP

| Number | Description                     | Working Length |
|--------|---------------------------------|----------------|
| R53000 | Double ended nasal rasp # 1 & 2 | 21 cm          |
| R53100 | Double ended nasal rasp # 3 & 4 | 21 cm          |



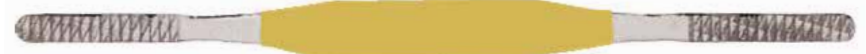
### MILLER-COLBURN DOUBLE ENDED NASAL RASP



| Number | Description                                           | Working Length |
|--------|-------------------------------------------------------|----------------|
| R38001 | Double ended nasal rasp Serrated Glabella             | 19 cm          |
| R38002 | Double ended nasal rasp Serrated fine wide curved     | 19 cm          |
| R38003 | Double ended nasal rasp Serrated coarse wide straight | 19 cm          |
| R38004 | Double ended nasal rasp Serrated coarse short         | 19 cm          |
| R38005 | Double ended nasal rasp Serrated coarse wide straight | 19 cm          |



| Number | Description                                                | Working Length |
|--------|------------------------------------------------------------|----------------|
| R38101 | Double ended nasal rasp cross hatched Glabella             | 19 cm          |
| R38102 | Double ended nasal rasp cross hatched fine wide curved     | 19 cm          |
| R38103 | Double ended nasal rasp cross hatched coarse wide straight | 19 cm          |
| R38104 | Double ended nasal rasp cross hatched coarse short         | 19 cm          |
| R38105 | Double ended nasal rasp cross hatched coarse wide straight | 19 cm          |



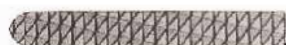
### FOMON DOUBLE ENDED RASP



| Number | Description                                    | Working Length |
|--------|------------------------------------------------|----------------|
| R52001 | Double ended TC rasp # 1 & 2 xfine - fine      | 20 cm          |
| R52002 | Double ended TC rasp # 3 & 4                   | 20 cm          |
| R52003 | Double ended TC rasp # 5 & 6                   | 20 cm          |
| R52004 | Double ended TC rasp # 7 & 8                   | 20 cm          |
| R52005 | Double ended TC rasp # 9 & 10 coarse - xcoarse | 20 cm          |



### COTTLE NASAL TC RASP



| Number | Description            | Working Length |
|--------|------------------------|----------------|
| R39221 | TC rasp downcut medium | 21 cm          |



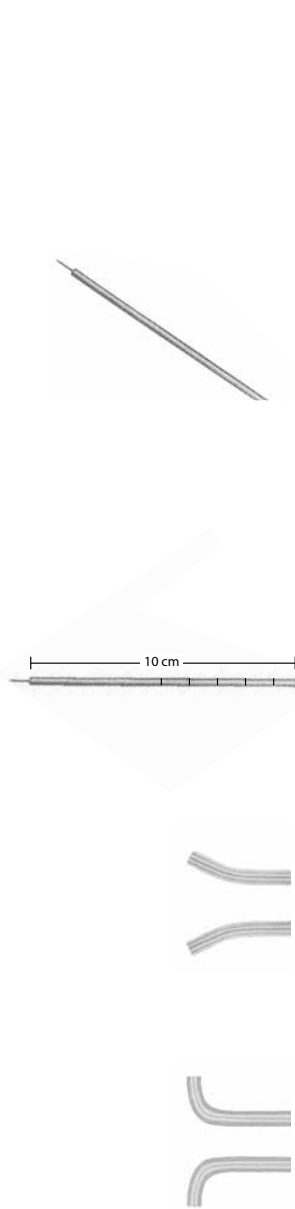
## V. EICKEN SINUS ANTRUM CANNULA

| Number | Description            | Outer diameter | Working Length |
|--------|------------------------|----------------|----------------|
| S49602 | Long curved LUER-Lock  | 2.5mm          | 12 cm          |
| S49603 | Long curved LUER-Lock  | 3 mm           | 12 cm          |
| S49604 | Long curved LUER-Lock  | 4 mm           | 12 cm          |
| S49612 | Short curved LUER-Lock | 2.5 mm         | 12 cm          |
| S49613 | Short curved LUER-Lock | 3 mm           | 12 cm          |
| S49614 | Short curved LUER-Lock | 4 mm           | 12 cm          |
| S49702 | Long curved Malleable  | 2.5 mm         | 12 cm          |
| S49703 | Long curved Malleable  | 3.0 mm         | 12 cm          |
| S49704 | Long curved Malleable  | 4.0 mm         | 12 cm          |



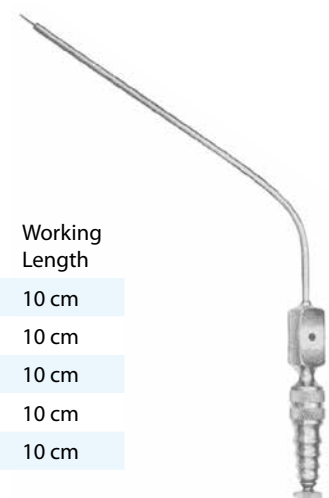
## KAHN-FRAZIER FRONTAL SINUS SUCTION

| Number | Description                                  | Inner ID | Shaft     | Size |                 | Working Length |
|--------|----------------------------------------------|----------|-----------|------|-----------------|----------------|
| S11610 | Frontal Sinus Suction Tube with cut-off hole | 10 Fr    | malleable | 1    | slightly curved | 15 cm          |
| S11710 | Frontal Sinus Suction Tube with cut-off hole | 10 Fr    | malleable | 2    | strongly curved | 15 cm          |



### FRAZIER/FERGUSON NASAL STYLE

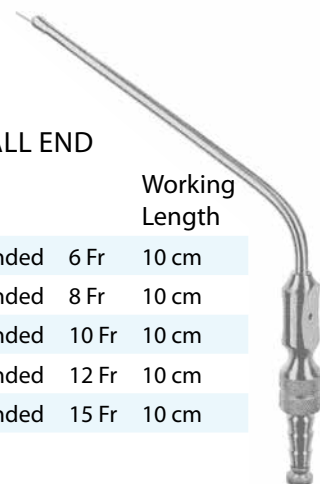
| Number | Description          |           |       | Working Length |  |
|--------|----------------------|-----------|-------|----------------|--|
| S43006 | Frazier suction tube | Stainless | 6 Fr  | 10 cm          |  |
| S10008 | Frazier suction tube | Stainless | 8 Fr  | 10 cm          |  |
| S10010 | Frazier suction tube | Stainless | 10 Fr | 10 cm          |  |
| S10012 | Frazier suction tube | Stainless | 12 Fr | 10 cm          |  |
| S10015 | Frazier suction tube | Stainless | 15 Fr | 10 cm          |  |



| Number | Description                            |           |                       | Working Length |       |
|--------|----------------------------------------|-----------|-----------------------|----------------|-------|
| S11006 | FRAZIER Suction Tube with calibrations |           | marked at 5 cm - 9 cm | 6 Fr           | 10 cm |
| S11008 | FRAZIER Suction Tube with calibrations |           | marked at 5 cm - 9 cm | 8 Fr           | 10 cm |
| S11010 | FRAZIER Suction Tube with calibrations |           | marked at 5 cm - 9 cm | 10 Fr          | 10 cm |
| S11210 | Frazier suction tube                   | stainless | slightly curved right | 10 Fr          | 10 cm |
| S11212 | Frazier suction tube                   | stainless | slightly curved right | 12 Fr          | 10 cm |
| S11310 | Frazier suction tube                   | stainless | slightly curved left  | 10 Fr          | 10 cm |
| S11312 | Frazier suction tube                   | stainless | slightly curved left  | 12 Fr          | 10 cm |
| S11410 | Frazier suction tube                   | stainless | strongly curved right | 10 Fr          | 10 cm |
| S11412 | Frazier suction tube                   | stainless | strongly curved right | 12 Fr          | 10 cm |
| S11510 | Frazier suction tube                   | stainless | strongly curved left  | 10 Fr          | 10 cm |
| S11512 | Frazier suction tube                   | stainless | strongly curved left  | 12 Fr          | 10 cm |

### FRAZIER/FERGUSON NASAL STYLE WITH BALL END

| Number | Description          |           |            | Working Length |       |
|--------|----------------------|-----------|------------|----------------|-------|
| S10016 | Frazier suction tube | stainless | ball ended | 6 Fr           | 10 cm |
| S10018 | Frazier suction tube | stainless | ball ended | 8 Fr           | 10 cm |
| S10020 | Frazier suction tube | stainless | ball ended | 10 Fr          | 10 cm |
| S10022 | Frazier suction tube | stainless | ball ended | 12 Fr          | 10 cm |
| S10025 | Frazier suction tube | stainless | ball ended | 15 Fr          | 10 cm |





#### COTTLE MALLET

| Number | Description | Weight | Working Length |
|--------|-------------|--------|----------------|
| R13000 | Mallet      | 240 g  | 19 cm          |



#### MALLET WITH NYLON CAPS

| Number | Description                             | Weight | Working Length |
|--------|-----------------------------------------|--------|----------------|
| R13500 | Mallet with replaceable nylon caps      | 140 g  | 18 cm          |
| R13501 | Nylon facings for S13500 mallet, 1 pair |        |                |



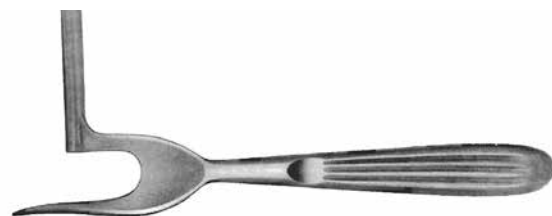
#### THEISS MINI MALLET

| Number | Description | Weight | Working Length |
|--------|-------------|--------|----------------|
| R53516 | Mini mallet | 140 g  | 16.5 cm        |



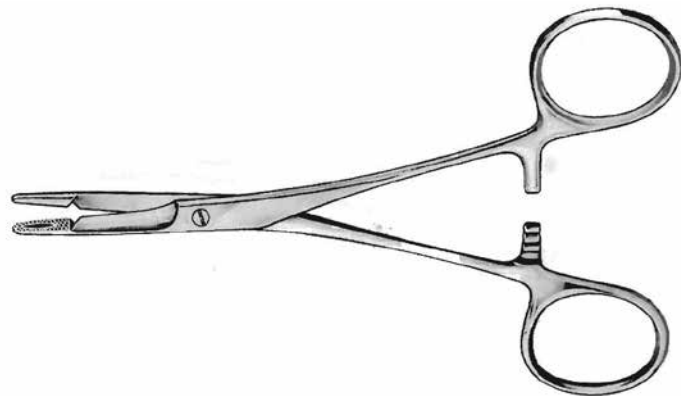
#### TARDY TYPE MALLET

| Number  | Description                    | Weight | Working Length |
|---------|--------------------------------|--------|----------------|
| R528320 | Rhinoplasty mallet             | 320 g  | 17 cm          |
| R528321 | Nylon Facing for Tardy, 1 Pair |        |                |



#### QUISLING INTRANASAL HAMMER

| Number  | Description                |
|---------|----------------------------|
| R413900 | Quisling Intranasal hammer |



#### OLSEN-HEGAR NEEDLE HOLDER SCISSORS

| Number | Description            | Working Length |
|--------|------------------------|----------------|
| R14614 | Needle holder scissors | 14 cm          |
| R14618 | Needle holder scissors | 17 cm          |
| R15019 | Needle holder scissors | 19 cm          |



#### GILLIES CURVED

| Number | Description                         | Working Length |
|--------|-------------------------------------|----------------|
| R15516 | Hand grasped needle holder/scissors | 16 cm          |



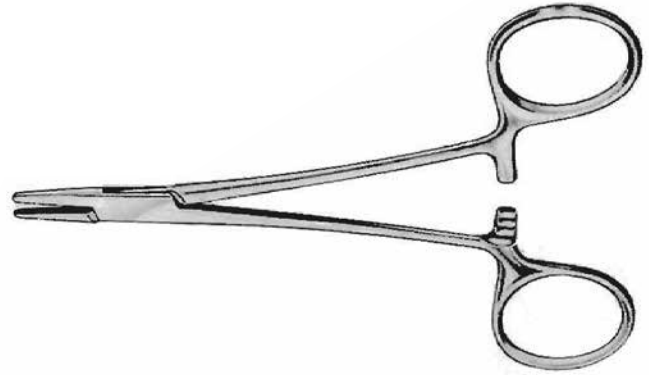
#### DERF NEEDLE HOLDER

| Number  | Description                      | Working Length |
|---------|----------------------------------|----------------|
| R05012  | Needle Holder stainless serrated | 12 cm          |
| R05012T | Needle Holder TC serrated        | 12 cm          |



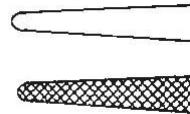
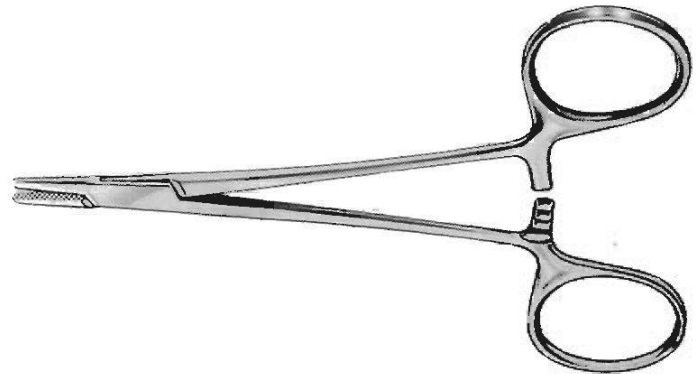
## WEBSTER NEEDLE HOLDER

| Number | Description   |        |           | Working Length |
|--------|---------------|--------|-----------|----------------|
| R06013 | Needle holder | smooth | Stainless | 13 cm          |
| R46013 | Needle holder | smooth | TC        | 13 cm          |



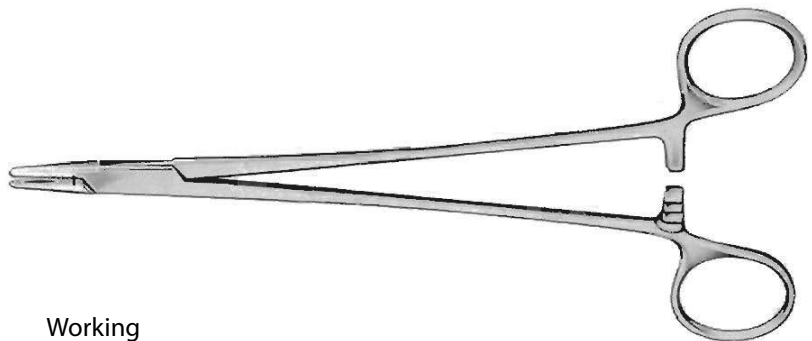
## HALSEY NEEDLE HOLDER

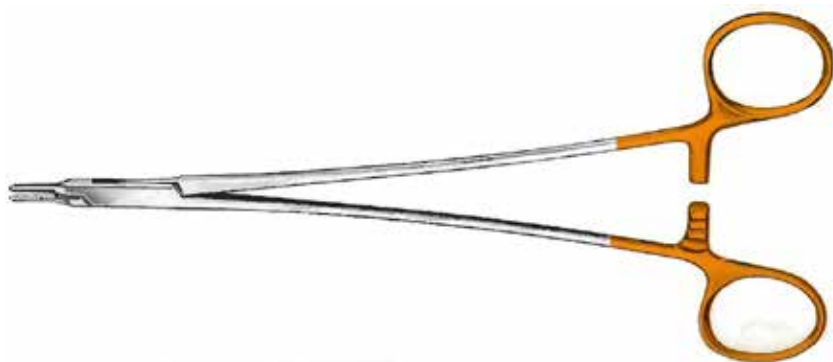
| Number | Description   |          |           | Working Length |
|--------|---------------|----------|-----------|----------------|
| R06413 | Needle holder | serrated | stainless | 13 cm          |
| R46613 | Needle holder | serrated | TC        | 13 cm          |
| R06613 | Needle holder | smooth   | stainless | 13 cm          |
| R46413 | Needle holder | smooth   | TC        | 13 cm          |



## CRILE NEEDLE HOLDER

| Number | Description        |          |           | Working Length |
|--------|--------------------|----------|-----------|----------------|
| R07015 | Needle holder      | jaw slot | stainless | 15 cm          |
| R47015 | Needle holder      | jaw slot | TC        | 15 cm          |
| R07215 | Baby needle holder | no slot  | stainless | 15 cm          |
| R46815 | Baby needle holder | no slot  | TC        | 15 cm          |





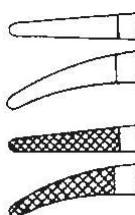
## RYDER NEEDLE HOLDER

| Number | Description               |    | Working Length |
|--------|---------------------------|----|----------------|
| R43413 | Fine tipped needle holder | TC | 13 cm          |
| R43415 | Fine tipped needle holder | TC | 15 cm          |



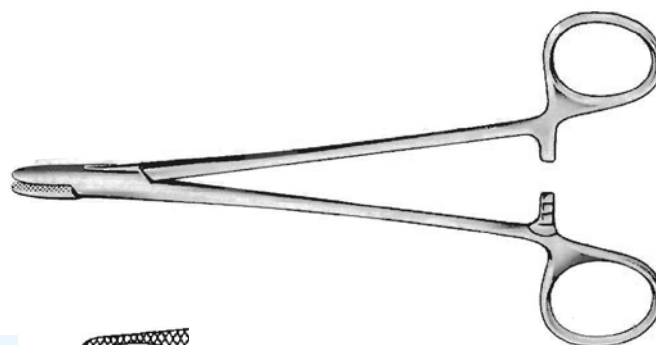
## CASTROVIEJO NEEDLE HOLDER

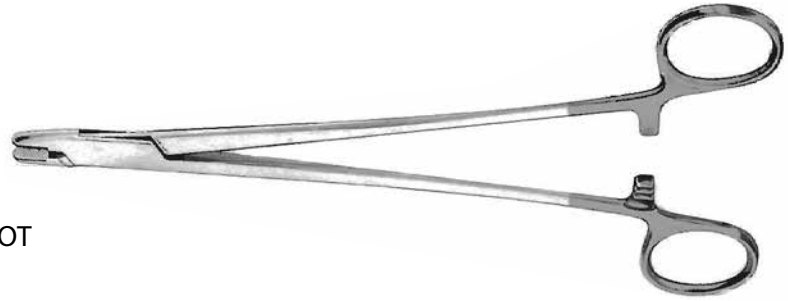
| Number | Description      |          |          | Working Length |
|--------|------------------|----------|----------|----------------|
| R30452 | Needle TC holder | straight | smooth   | 18 cm          |
| R30453 | Needle TC holder | curved   | smooth   | 18 cm          |
| R30450 | Needle TC holder | straight | serrated | 18 cm          |
| R30451 | Needle TC holder | curved   | serrated | 18 cm          |



## WIRE TWISTERS

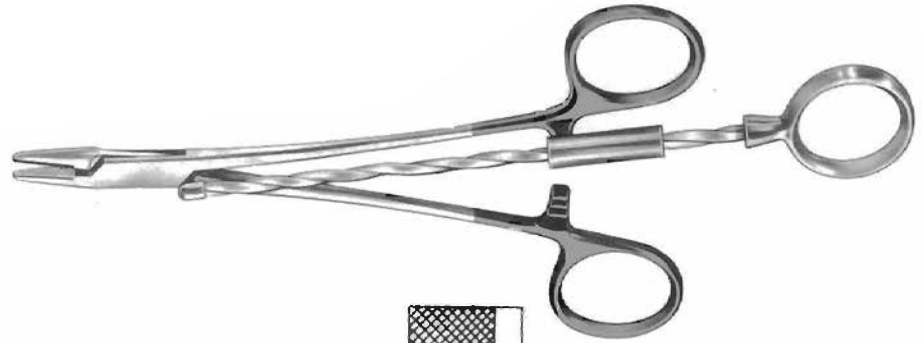
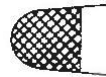
| Number | Description                       | Working Length |
|--------|-----------------------------------|----------------|
| R0917  | MGH Stubby Serrated with Jaw slot | 17 cm          |





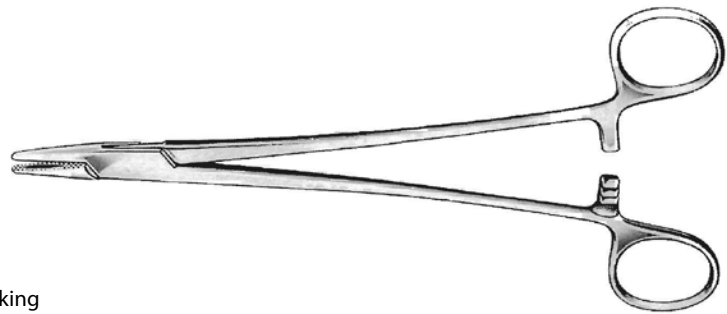
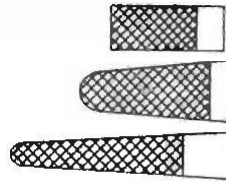
### STERUM STUBBY SERRATED WITH JAW SLOT

| Number    | Description      | Working Length |
|-----------|------------------|----------------|
| R53353416 | Sterum Stubby TC | 12.5 cm        |
| R53353918 | Sterum Stubby TC | 18 cm          |



### CORWIN FLAT TIP

| Number | Description                         |
|--------|-------------------------------------|
| R55601 | Finger ring wire twister flat end   |
| R55602 | Finger ring wire twister round end  |
| R55603 | Finger ring wire twister oblong end |

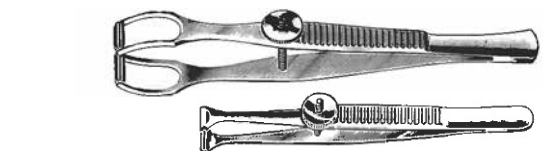


### MAYO HEGAR NEEDLE HOLDER

| Number | Description              | Working Length |
|--------|--------------------------|----------------|
| S14016 | Needle holders stainless | 16 cm          |
| S14018 | Needle holders stainless | 18 cm          |
| S14020 | Needle holders stainless | 20 cm          |

|        |                                |           |       |
|--------|--------------------------------|-----------|-------|
| R40016 | Needle holders with TC Inserts | stainless | 16 cm |
| R40018 | Needle holders with TC Inserts | stainless | 18 cm |
| R40020 | Needle holders with TC Inserts | stainless | 20 cm |





| Number | Description                   | Working Length |
|--------|-------------------------------|----------------|
| R25212 | Adson with teeth Standard 1x2 | 12 cm          |

| Number  | Description                | Working Length |
|---------|----------------------------|----------------|
| R110/12 | Micro Adson with teeth 1x2 | 12 cm          |

| Number | Description         | Working Length |
|--------|---------------------|----------------|
| R25112 | Adson without teeth | 12 cm          |

| Number | Description               | Working Length |
|--------|---------------------------|----------------|
| R25312 | Micro Adson without teeth | 12 cm          |

| Number | Description | Working Length |
|--------|-------------|----------------|
| R25012 | Brown adson | 12 cm          |

| Number | Description                        | Working Length |
|--------|------------------------------------|----------------|
| R25612 | Adson pickups TC inserts w/o teeth | 12 cm          |
| R25712 | Adson pickups TC inserts 1x2 teeth | 12 cm          |

| Number | Description                  | Working Length |
|--------|------------------------------|----------------|
| R76004 | Jewelers forceps straight #4 | 11 cm          |
| R76005 | Jewelers forceps straight #5 | 11 cm          |

| Number | Description                   | Tip    | Working Length |
|--------|-------------------------------|--------|----------------|
| R04701 | Castroviejo forceps 1x2 teeth | .12 mm | 12 cm          |

| Number | Description              | Pattern     | Working Length |
|--------|--------------------------|-------------|----------------|
| R01000 | Cottle columella forceps | standard    | 10.5 cm        |
| R01100 | Cottle columella forceps | child/small | 8.5 cm         |

| Number | Description                                 | Working Length |
|--------|---------------------------------------------|----------------|
| R04210 | Bishop Harmon fine tissue forceps serrated  | 8.5 cm         |
| R04212 | Bishop Harmon fine tissue forceps 1x2 teeth | 8.5 cm         |

|        |                                            |           |        |
|--------|--------------------------------------------|-----------|--------|
| R04211 | Bishop Harmon delicate fine tissue forceps | serrated  | 8.5 cm |
| R04213 | Bishop Harmon delicate fine tissue forceps | 1x2 teeth | 8.5 cm |

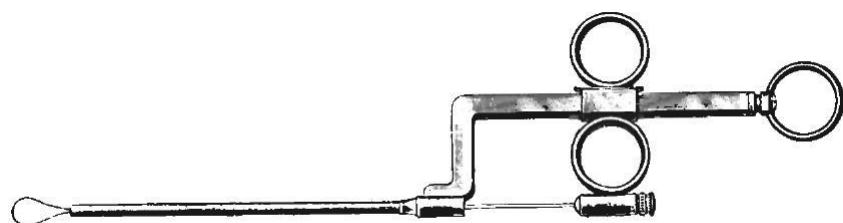
| Number | Description                        |                         |
|--------|------------------------------------|-------------------------|
| R27015 | Cottle fixation forceps with teeth | bayonete with fix screw |



### UNIVERSAL ATOMIZER KABIERSKE

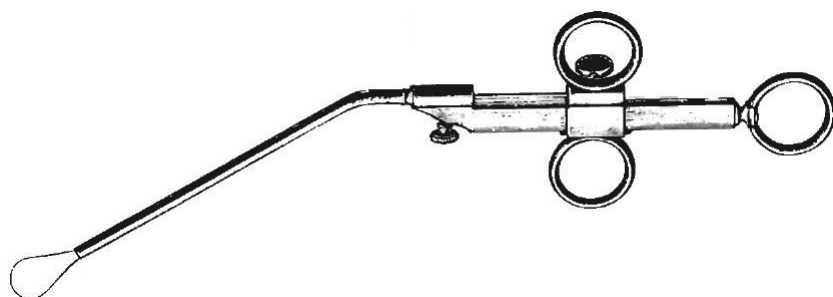


| Number | Description                           |
|--------|---------------------------------------|
| O22810 | Universal atomizer Kabierske (S40100) |



### POLYP SNARES AND ACCESSORIES

| Number | Description            | Working Length |
|--------|------------------------|----------------|
| S11500 | Wild nasal polyp snare | 24 cm          |



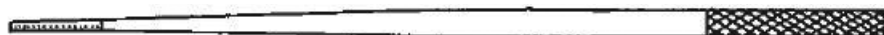
### NASAL POLYP SNARE KRAUSE

| Number | Description              | Working Length |
|--------|--------------------------|----------------|
| S61520 | Nasal polyp snare Krause | 26 cm          |



### FRONTAL SINUS RASP

| Number | Description                      |       |
|--------|----------------------------------|-------|
| S61540 | Polyp snare wires precut 12 each | .3 mm |
| S21042 | Polyp snare wire coil            |       |
| S21043 | Polyp snare wire coil            |       |



## APPLICATORS



| Number | Description        |            |        | Working Length |
|--------|--------------------|------------|--------|----------------|
| S12116 | Farrell applicator | triangular | 0.9 mm | 14 cm          |
| S11513 | Farrell applicator | twist tip  | 1.1 mm | 14 cm          |



## GROVED DIRECTOR

| Number | Description     |  |  | Working Length |
|--------|-----------------|--|--|----------------|
| S91511 | Groved director |  |  | 14 cm          |



## BOWMAN LACRIMAL PROBES SILVER

| Number | Description          |         |  | Working Length |
|--------|----------------------|---------|--|----------------|
| S03400 | Bowman silver probes | 0000/00 |  | 12.5 cm        |
| S03401 | Bowman silver probes | 00/0    |  | 12.5 cm        |
| S03402 | Bowman silver probes | 0/1     |  | 12.5 cm        |
| S03404 | Bowman silver probes | 1/2     |  | 12.5 cm        |
| S03406 | Bowman silver probes | 2/3     |  | 12.5 cm        |
| S03408 | Bowman silver probes | 3/4     |  | 12.5 cm        |



## CARTILAGE SMASHER

| Number  | Description              |  |  | Working Length |
|---------|--------------------------|--|--|----------------|
| S450000 | Cottle cartilage smasher |  |  |                |



## SEPTUM TONSIL NEEDLES

| Number | Description          |                   |           | Shaft  | Tip  |
|--------|----------------------|-------------------|-----------|--------|------|
| S01100 | Septum tonsil needle | knee bent angular | LUER-Lock | 0.8 mm | 22 g |
| S11400 | Septum tonsil needle | straight          | LUER-Lock | 0.8 mm | 22 g |
| S11300 | Septum tonsil needle | right angle tip   | LUER-Lock | 0.8 mm | 22 g |
| S11700 | Septum tonsil needle | bayonet           | LUER-Lock | 0.8 mm | 22 g |

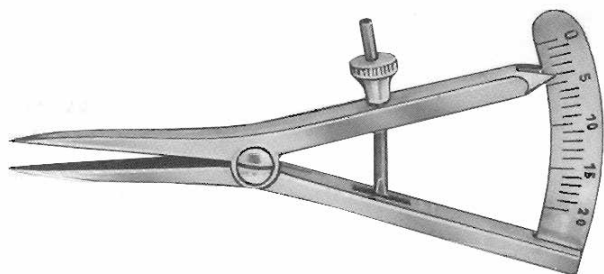


## SOLUTION BOWLS

| Number | Description             |        |        |
|--------|-------------------------|--------|--------|
| S97030 | Stainless solution bowl | 30 cc  | 1 oz   |
| S97050 | Stainless solution bowl | 50 cc  | 1.6 oz |
| S97100 | Stainless solution bowl | 100 cc | 3 oz   |
| S97150 | Stainless solution bowl | 150 cc | 5 oz   |



| Number | Description     |        |
|--------|-----------------|--------|
| S63100 | Jamison Caliper | 0-8 mm |



| Number | Description         |       | Length |
|--------|---------------------|-------|--------|
| S00040 | Castroviejo Caliper | 20 mm | 8 cm   |

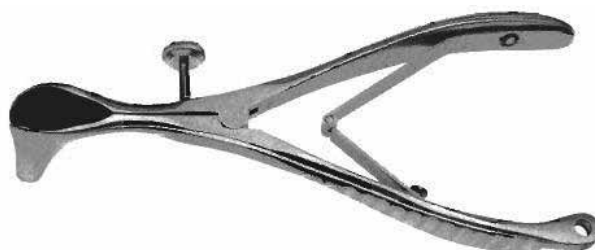


| Number | Description |           |
|--------|-------------|-----------|
| S43715 | Ruler 6"    | stainless |



## FLEXIBLE TENSION ARM

| Number | Description                                   |
|--------|-----------------------------------------------|
| O18800 | Arm for holding nasal speculum and retractors |
| O18801 | Rotation OR table clamp for above             |



## COTTLE MASING NASAL SPECULUM

| Number | Description                                      |       |
|--------|--------------------------------------------------|-------|
| S97635 | Nasal speculum for use with flexible tension arm | 35 mm |
| S97650 | Nasal speculum for use with flexible tension arm | 50 mm |
| S97675 | Nasal speculum for use with flexible tension arm | 75 mm |
| S97690 | Nasal speculum for use with flexible tension arm | 90 mm |



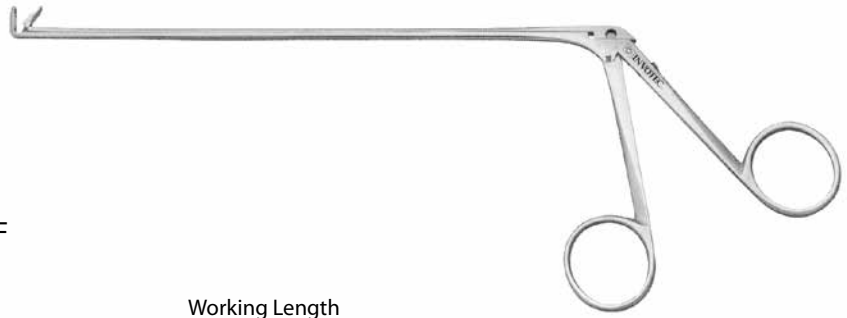
## AUFRICHT RETRACTOR

| Number | Description                                 |           |
|--------|---------------------------------------------|-----------|
| S97300 | Retractor for use with flexible tension arm | stainless |



## DOUBLE PRONG RETRACTOR

| Number | Description                                              |           |
|--------|----------------------------------------------------------|-----------|
| S97400 | Dull double prong retractor for use flexible tension arm | stainless |



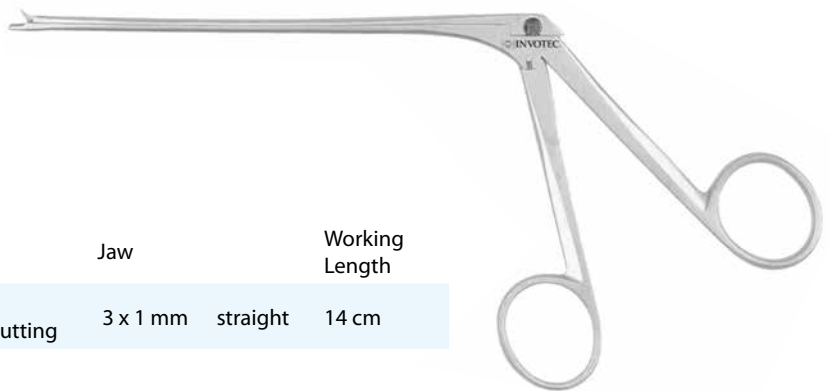
#### INSTRUMENTS AS DESCRIBED BY DRAF

| Number | Description      |              |  | Working Length |
|--------|------------------|--------------|--|----------------|
| S38413 | Ethmoid forceps  | straight     |  | 13 cm          |
| S38416 | Ethmoid forceps  | straight     |  | 16 cm          |
| S38419 | Ethmoid forceps  | straight     |  | 19 cm          |
| S38513 | Ethmoid forceps  | 60° upcurved |  | 13 cm          |
| S38516 | Ethmoid forceps  | 60° upcurved |  | 16 cm          |
| S38519 | Ethmoid forceps  | 60° upcurved |  | 19 cm          |
| S38613 | Ethmoid forceps  | 90° upcurved |  | 13 cm          |
| S38616 | Ethmoid forceps  | 90° upcurved |  | 16 cm          |
| S38619 | Ethmoid forceps  | 90° upcurved |  | 19 cm          |
| S38713 | Ethmoid scissors | straight     |  | 13 cm          |
| S38716 | Ethmoid scissors | straight     |  | 16 cm          |
| S38719 | Ethmoid scissors | straight     |  | 19 cm          |



#### ELONGATED PARANASAL FORCEPS

| Number | Description |               |                     | Jaw               | Working Length |
|--------|-------------|---------------|---------------------|-------------------|----------------|
| S38901 | Conchotome  | very delicate | oval throughcutting | 3 x 1 mm straight | 14 cm          |





## PARANASAL FORCEPS

| Number | Description     |          |                   |            | Working Length |
|--------|-----------------|----------|-------------------|------------|----------------|
| S38423 | Ethmoid forceps | straight | oval cupped       | 3 x 1.5 mm | 13 cm          |
| S38426 | Ethmoid forceps | straight | oval cupped       | 3 x 1.5 mm | 16 cm          |
| S43010 | Ethmoid forceps | straight | delicate serrated |            | 16 cm          |
| S43015 | Ethmoid forceps | straight | rough serrated    |            | 16 cm          |



## TUBULAR ELONGATED PARANASAL FORCEPS

| Number | Description     |                  |              |                 | Working Length |
|--------|-----------------|------------------|--------------|-----------------|----------------|
| S42100 | Ethmoid forceps | "Blakesley Type" | straight     | size 0          | 17 cm          |
| S42101 | Ethmoid forceps | "Blakesley Type" | straight     | size 1          | 17 cm          |
| S42102 | Ethmoid forceps | "Blakesley Type" | straight     | size 2          | 17 cm          |
| S42200 | Ethmoid forceps | "Blakesley Type" | 45° upcurved | size 0          | 17 cm          |
| S42201 | Ethmoid forceps | "Blakesley Type" | 45° upcurved | size 1          | 17 cm          |
| S42300 | Ethmoid forceps | "Takahashi type" | straight     | spoon 3 x 10 mm | 17 cm          |



## STEEL TUNING FORKS

Number Description

O20505 Hartmann tuning fork set with case Set of 5: c<sup>2</sup>-512, c<sup>3</sup>-1024, c<sup>4</sup>-2048, c-128, c<sup>1</sup>-256

Number Description

O20508 Hartmann tuning fork set with case Complete set: O20512-O20561

Number Description

O20512 Hartmann tuning fork c<sup>2</sup>-512

O20513 Hartmann tuning fork c<sup>3</sup>-1024

O20514 Hartmann tuning fork c<sup>4</sup>-2048

O20515 Hartmann tuning fork c<sup>5</sup>-4096

O20532 French tuning fork c<sup>1</sup>-32

O20559 Hartmann tuning fork c-64

O20560 Hartmann tuning fork c-128

O20561 Hartmann tuning fork c<sup>1</sup>-256



## ALUMINUM TUNING FORKS

Number Description

O20705 Aluminum tuning fork set with case Set of 5: c-128, c<sup>1</sup>-256, c-512, c<sup>3</sup>-1024, c-2048

Number Description

O20710 Aluminum tuning fork c-128

O20711 Aluminum tuning fork c<sup>1</sup>-256

O20712 Aluminum tuning fork c-512

O20713 Aluminum tuning fork c<sup>3</sup>-1024

O20714 Aluminum tuning fork c-2048



| Number | Description                                                                                         |
|--------|-----------------------------------------------------------------------------------------------------|
| O20010 | Brunings Pneumatic Ear Speculum<br>Complete Set with lens, 4 speculas, rubber bulb, and wooden case |



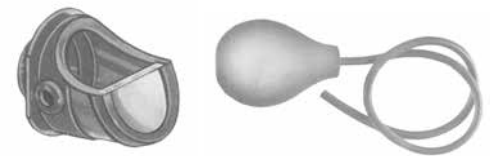
| Number | Description                  | Diameter |
|--------|------------------------------|----------|
| O20020 | Brunings Ear Speculum Size 0 | 5.5 mm   |
| O20021 | Brunings Ear Speculum Size 1 | 6.5 mm   |
| O20022 | Brunings Ear Speculum Size 2 | 7.5 mm   |
| O20023 | Brunings Ear Speculum Size 3 | 8.5 mm   |
| O20024 | Brunings Ear Speculum Size 4 | 9.5 mm   |
| O20025 | Brunings Ear Speculum Size 5 | 10.5 mm  |



| Number | Description                        |
|--------|------------------------------------|
| O20013 | Brunings Diagnostic Head Full lens |



| Number | Description                                        |
|--------|----------------------------------------------------|
| O20014 | Brunings Operating Head Segmented lens             |
| O20015 | Rubber Bulb Fitting the Brunings and Siegle lenses |



| Number | Description                        | Diameter |
|--------|------------------------------------|----------|
| O20053 | Siegle Pneumatic Ear Speculum lens |          |
| O20061 | Siegle Ear Speculum                | 6.0 mm   |
| O20062 | Siegle Ear Speculum                | 6.5 mm   |
| O20063 | Siegle Ear Speculum                | 7.5 mm   |



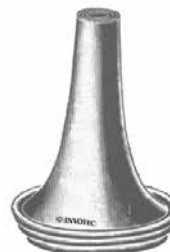
| Number | Description                       | Diameter |
|--------|-----------------------------------|----------|
| O20161 | Boucheron Ear Speculum for Adults | Set of 4 |
| O20166 | Boucheron Ear speculum for adults | 4.5 mm   |
| O20167 | Boucheron Ear speculum for adults | 5.5 mm   |
| O20168 | Boucheron Ear speculum for adults | 6.5 mm   |
| O20169 | Boucheron Ear speculum for adults | 4.5 mm   |



| Number | Description                        |          | Diameter       |
|--------|------------------------------------|----------|----------------|
| O20100 | Hartmann Ear Speculum for children | Set of 3 | 3.0, 4.5, 5 mm |
| O20101 | Hartmann Ear Speculum for children |          | 3.0 mm         |
| O20102 | Hartmann Ear Speculum for children |          | 4.5 mm         |
| O20103 | Hartmann Ear Speculum for children |          | 5 mm           |



| Number | Description                      |          | Diameter         |
|--------|----------------------------------|----------|------------------|
| O20110 | Hartmann Ear Speculum for adults | Set of 3 | 5.5, 6.5, 7.5 mm |
| O20111 | Hartmann Ear Speculum for adults |          | 5.5 mm           |
| O20112 | Hartmann Ear Speculum for adults |          | 6.5 mm           |
| O20113 | Hartmann Ear Speculum for adults |          | 7.5 mm           |



| Number | Description                     |          | Diameter             |
|--------|---------------------------------|----------|----------------------|
| O20130 | Toynbee Ear Speculum for adults | Set of 3 | 5.5, 6.5, 7.5 mm     |
| O20131 | Toynbee Ear Speculum for adults | Set of 4 | 4.5, 5.5, 6.5, 7.5mm |
| O20136 | Toynbee Ear Speculum for adults |          | 4.5 mm               |
| O20137 | Toynbee Ear Speculum for adults |          | 5.5 mm               |
| O20138 | Toynbee Ear Speculum for adults |          | 6.5 mm               |
| O20139 | Toynbee Ear Speculum for adults |          | 7.5 mm               |



| Number | Description  |          | Diameter |
|--------|--------------|----------|----------|
| O20190 | Ear Speculum | Set of 6 |          |
| O20192 | Ear Speculum |          | 2 mm     |
| O20193 | Ear Speculum |          | 3 mm     |
| O20194 | Ear Speculum |          | 4 mm     |
| O20195 | Ear Speculum |          | 5 mm     |
| O20196 | Ear Speculum |          | 6 mm     |
| O20197 | Ear Speculum |          | 7.5 mm   |



| Number | Description                     |              |      | Diameter       |
|--------|---------------------------------|--------------|------|----------------|
| O20300 | Zoellner Operating Ear Speculum | Black-finish | Oval | Set of 6       |
| O20311 | Zoellner Operating Ear Speculum | Black-finish | Oval | 5.5 x 6.5 mm   |
| O20312 | Zoellner Operating Ear Speculum | Black-finish | Oval | 6.5 x 7.5 mm   |
| O20313 | Zoellner Operating Ear Speculum | Black-finish | Oval | 7.5 x 8.5 mm   |
| O20314 | Zoellner Operating Ear Speculum | Black-finish | Oval | 8.5 x 9.5 mm   |
| O20315 | Zoellner Operating Ear Speculum | Black-finish | Oval | 9.5 x 10.5 mm  |
| O20316 | Zoellner Operating Ear Speculum | Black-finish | Oval | 10.5 x 11.5 mm |





| Number | Description                    |       | length | Size | Diameter |
|--------|--------------------------------|-------|--------|------|----------|
| O21251 | Buck-Wullstein micro ear cures | blunt | 16 cm  | 000  | 1.1 mm   |
| O21252 | Buck-Wullstein micro ear cures | blunt | 16 cm  | 00   | 1.3 mm   |
| O21253 | Buck-Wullstein micro ear cures | blunt | 16 cm  | 0    | 1.8 mm   |
| O21254 | Buck-Wullstein micro ear cures | blunt | 16 cm  | 1    | 2.1 mm   |



| Number | Description         |          | length | Size | Diameter |
|--------|---------------------|----------|--------|------|----------|
| O21431 | Shapleigh ear cures | serrated | 14 cm  | 1    |          |
| O21432 | Shapleigh ear cures | serrated | 14 cm  | 2    |          |



| Number | Description    |       | length | Size | Diameter |
|--------|----------------|-------|--------|------|----------|
| O21109 | Buck ear cures | sharp | 15 cm  | 00   | 1.5 mm   |
| O21110 | Buck ear cures | sharp | 15 cm  | 0    | 1.9 mm   |
| O21111 | Buck ear cures | sharp | 15 cm  | 1    | 2.5 mm   |
| O21112 | Buck ear cures | sharp | 15 cm  | 2    | 2.7 mm   |
| O21113 | Buck ear cures | sharp | 15 cm  | 3    | 3.4 mm   |
| O21114 | Buck ear cures | sharp | 15 cm  | 4    | 4.0 mm   |
| O21115 | Buck ear cures | sharp | 15 cm  | 5    | 4.5 mm   |

## EAR LOOPS



| Number | Description      |          | length  | Size | Diameter |
|--------|------------------|----------|---------|------|----------|
| O21401 | Billeau ear loop | straight | 15.5 cm | 1    |          |
| O21402 | Billeau ear loop | straight | 15.5 cm | 2    |          |
| O21403 | Billeau ear loop | straight | 15.5 cm | 3    |          |

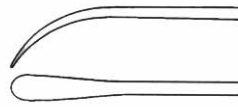
| Number | Description         |       | length  | Diameter |
|--------|---------------------|-------|---------|----------|
| O21410 | Langenbeck ear loop | blunt | 13.5 cm |          |



## EAR LEVERS

| Number | Description           | length |
|--------|-----------------------|--------|
| O21440 | Moldenhauer ear lever | 16 cm  |





| Number | Description      | length |
|--------|------------------|--------|
| O21505 | Zaufal ear lever | 16 cm  |

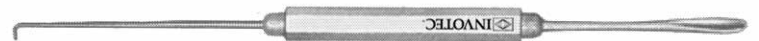


| Number | Description                   | Length |
|--------|-------------------------------|--------|
| O21510 | Yankauer-Jansen ear lever 45° | 15 cm  |



| Number | Description             | Length |
|--------|-------------------------|--------|
| O21606 | Wagener ear lever sharp | 14 cm  |
| O21607 | Wagener ear lever blunt | 14 cm  |

## EAR HOOKS



| Number | Description              | Size | length |
|--------|--------------------------|------|--------|
| O21470 | Gross ear spoon and hook | oval | 12 cm  |



| Number | Description                | Size  | length |
|--------|----------------------------|-------|--------|
| O21475 | Gross ear curette and hook | round | 12 cm  |



| Number | Description     | Size | length |
|--------|-----------------|------|--------|
| O21511 | Jansen ear hook | 1    | 15 cm  |
| O21512 | Jansen          | 2    | 15 cm  |



| Number | Description      | Size | length |
|--------|------------------|------|--------|
| O21520 | Allport ear hook |      | 16 cm  |



| Number | Description       | Size | length |
|--------|-------------------|------|--------|
| O21571 | Hartmann ear hook | 1    | 16 cm  |
| O21572 | Hartmann ear hook | 2    | 16 cm  |



| Number | Description      | Size | length |
|--------|------------------|------|--------|
| O21601 | Wagener ear hook | 2.0  | 14 cm  |
| O21602 | Wagener ear hook | 2.5  | 14 cm  |
| O21603 | Wagener ear hook | 3.0  | 14 cm  |
| O21604 | Wagener ear hook | 3.5  | 14 cm  |
| O21605 | Wagener ear hook | 4.0  | 14 cm  |



| Number | Description  | Size | length |
|--------|--------------|------|--------|
| O21651 | Day ear hook | 1    | 16 cm  |
| O21652 | Day ear hook | 2    | 16 cm  |



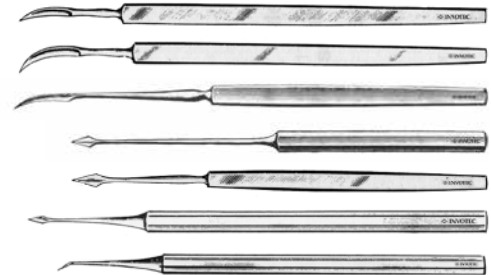
| Number | Description              |                 | length |
|--------|--------------------------|-----------------|--------|
| O21681 | Stacke ear probe         | Nickel silver   | 11 cm  |
| O21684 | Stacke-Frenzel ear probe | Sterling silver | 9 cm   |



| Number | Description     |                 | length |
|--------|-----------------|-----------------|--------|
| O21690 | Wullstein probe | Silver          | 26 cm  |
| O21695 | Bloch ear probe | Sterling silver | 11 cm  |

## SICKLE SHAPED KNIVES AND LANCETS

| Number | Description                  | length |
|--------|------------------------------|--------|
| O21750 | Lempert sickle shaped knife  | 16 cm  |
| O21752 | Lempert sickle shaped knife  | 17 cm  |
| O21760 | Politzer sickle shaped knife | 16 cm  |
| O21802 | Buck lancet                  | 15 cm  |
| O21806 | Lempert lancet               | 14 cm  |
| O21810 | Lempert lancet               | 15 cm  |
| O21811 | Lempert lance 45°            | 15 cm  |



## TYMPANUM PERFORATORS

| Number | Description                  | Length |
|--------|------------------------------|--------|
| O21823 | Politzer Tympanum perforator | 16 cm  |

|        |                           |              |       |
|--------|---------------------------|--------------|-------|
| O21825 | Lucae Tympanum perforator | for children | 18 cm |
| O21827 | Lucae Tympanum perforator | for adults   | 18 cm |

|        |                              |                      |       |
|--------|------------------------------|----------------------|-------|
| O21830 | Politzer Tympanum perforator | reversible           | 19 cm |
| O21833 | Politzer Tympanum perforator | screw locking handle | 15 cm |

|        |                           |       |
|--------|---------------------------|-------|
| O21835 | Lucae Tympanum perforator | 19 cm |
|--------|---------------------------|-------|



O21823



O21825



O21827



O21830



O21833



O21835

|        |                       |       |
|--------|-----------------------|-------|
| O21845 | Sexton Tympanum knife | 18 cm |
| O21847 | Sexton Tympanum knife | 18 cm |
| O21850 | Sexton Tympanum knife | 18 cm |
| O21853 | Sexton Tympanum knife | 18 cm |
| O21857 | Sexton Tympanum knife | 18 cm |



|        |                       |                      |       |
|--------|-----------------------|----------------------|-------|
| O21858 | Sexton Tympanum knife | screw locking handle | 18 cm |
|--------|-----------------------|----------------------|-------|

## EAR CATHETERS

| Number | Description           | Length | size | Diameter |
|--------|-----------------------|--------|------|----------|
| O22011 | Hartmann ear catheter | 14 cm  | 1    | 2.5 mm   |
| O22012 | Hartmann ear catheter | 14 cm  | 2    | 3.0 mm   |
| O22013 | Hartmann ear catheter | 14 cm  | 3    | 3.5 mm   |
| O22014 | Hartmann ear catheter | 14 cm  | 4    | 4.0 mm   |
| O22015 | Hartmann ear catheter | 14 cm  | 5    | 5.0 mm   |



|        |                        |       |   |        |
|--------|------------------------|-------|---|--------|
| O22021 | Troeltsch Ear catheter | 14 cm | 1 | 2.5 mm |
| O22022 | Troeltsch Ear catheter | 14 cm | 2 | 3.0 mm |
| O22023 | Troeltsch Ear catheter | 14 cm | 3 | 3.5 mm |
| O22024 | Troeltsch Ear catheter | 14 cm | 4 | 4.0 mm |
| O22025 | Troeltsch Ear catheter | 14 cm | 5 | 5.0 mm |



|        |                                                 |              |  |  |
|--------|-------------------------------------------------|--------------|--|--|
| O22030 | Tube connector for Hartmann/Troeltsch catheters | Olive-shaped |  |  |
|--------|-------------------------------------------------|--------------|--|--|



## AIR BAGS

| Number | Description                                                  | Diameter |
|--------|--------------------------------------------------------------|----------|
| O22055 | Politzer air bag with conical metal plate - rubber bulb only |          |
| O22062 | Politzer air bag nasal tip                                   | 15 mm    |
| O22063 | Politzer air bag nasal tip                                   | 17 mm    |
| O22064 | Politzer air bag nasal tip                                   | 22 mm    |
| O22069 | Politzer air bag connector with plugin cone and screw thread |          |



## POWDER BLOWER

| Number | Description                                                                       |                         |
|--------|-----------------------------------------------------------------------------------|-------------------------|
| O22810 | Kabierske powder blower complete set: 3 cannulas for ear, nose, throat and larynx |                         |
| O22811 | Kabierske spare glass bottle                                                      | 30 ml                   |
| O22812 | Kabierske valve rubber bulb                                                       |                         |
| O22816 | Kabierske laryngeal cannula                                                       | curved 13 cm x 5 1/8"   |
| O22817 | Kabierske nasal cannula                                                           | straight 11 cm x 4 3/8" |
| O22818 | Kabierske ear cannula                                                             | straight 8 cm x 3 1/8"  |



## EAR INSTRUMENT SETS

| Number | Description            |                             |                                                                                     |
|--------|------------------------|-----------------------------|-------------------------------------------------------------------------------------|
| O21901 | Sprague ear instrument | sickle-shaped knife         |  |
| O21902 | Sprague ear instrument | blunt-tip hook              |  |
| O21903 | Sprague ear instrument | button-tip probe            |  |
| O21904 | Sprague ear instrument | tympanum perforating lancet |  |
| O21905 | Sprague ear instrument | ear curette                 |  |
| O21906 | Sprague ear instrument | ear spoon                   |  |
| O21909 | Sprague ear instrument | tubular handle              |  |

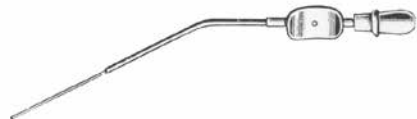
| Number | Description                                 |          | Diameter     |
|--------|---------------------------------------------|----------|--------------|
| O22101 | Rosen suction tip with Luer-Lock attachment | Straight | 0.70 x 80 mm |
| O22102 | Rosen suction tip with Luer-Lock attachment | Straight | 0.90 x 80 mm |
| O22103 | Rosen suction tip with Luer-Lock attachment | Straight | 1.20 x 80 mm |



|        |                                             |        |              |
|--------|---------------------------------------------|--------|--------------|
| O22111 | Rosen suction tip with Luer-Lock attachment | angled | 0.70 x 65 mm |
| O22112 | Rosen suction tip with Luer-Lock attachment | angled | 0.90 x 65 mm |
| O22113 | Rosen suction tip with Luer-Lock attachment | angled | 1.20 x 65 mm |
| O22114 | Rosen suction tip with Luer-Lock attachment | angled | 1.50 x 65 mm |
| O22115 | Rosen suction tip with Luer-Lock attachment | angled | 2.00 x 65 mm |



| Number | Description                           | Diameter    |
|--------|---------------------------------------|-------------|
| O22210 | Baron suction tip with finger cut off | 1.0 x 75 mm |
| O22215 | Baron suction tip with finger cut off | 1.5 x 75 mm |
| O22220 | Baron suction tip with finger cut off | 2.0 x 75 mm |



| Number | Description                                   |             |                 | Length | Diameter |
|--------|-----------------------------------------------|-------------|-----------------|--------|----------|
| O22141 | Wullstein flexible suction tip with Luer Cone | cylindrical | Sterling Silver | 16 cm  | 1.5 mm   |
| O22142 | Wullstein flexible suction tip with Luer Cone | cylindrical | Sterling Silver | 16 cm  | 2.0 mm   |
| O22148 | Wullstein flexible suction tip with Luer Cone | conical     | Sterling Silver | 16 cm  | 1.5 mm   |

| Number | Description                                     |                                       |
|--------|-------------------------------------------------|---------------------------------------|
| O22148 | Tube connector with Luer cone and cut off plate | for Wellstein and Rosen suction tubes |



| Number | Description                                                                                              |
|--------|----------------------------------------------------------------------------------------------------------|
| O22146 | Wullstein irrigating suction handle with Luer cone<br>Compatible with Wullstein irrigating/suction tubes |



| Number | Description                                                                             | Working Length | Diameter |
|--------|-----------------------------------------------------------------------------------------|----------------|----------|
| O22230 | Zollner suction tube with finger plate and Luer cone<br>Complete with 1 slip on cannula |                | 0.7 mm   |
| O22235 | Zollner micro suction cannula only for suction tube                                     | 30 mm          | 0.5 mm   |
| O22237 | Zollner micro suction cannula only for suction tube                                     | 30 mm          | 0.7 mm   |



| Number | Description          | Working Length | Diameter         |
|--------|----------------------|----------------|------------------|
| O22261 | Frazier suction tube | 110 mm         | 1.00 mm x 190 mm |
| O22262 | Frazier suction tube | 110 mm         | 2.00 mm x 190 mm |



| Number | Description          |           |
|--------|----------------------|-----------|
| O22271 | Hartmann suction tip | right ear |
| O22272 | Hartmann suction tip | left ear  |



| Number | Description       | Size | diameter     |
|--------|-------------------|------|--------------|
| O22309 | House suction tip | 1    | 0.9 + 0.7 mm |
| O22312 | House suction tip | 2    | 1.2 + 0.9 mm |
| O22315 | House suction tip | 3    | 1.5 + 1.2 mm |
| O22318 | House suction tip | 1    | 1.8 + 1.8 mm |
| O22325 | House suction tip | 2    | 2.5 + 2.0 mm |
| O22330 | House suction tip | 3    | 3.0 + 2.0 mm |
| O22345 | House suction tip | 4    | 4.5 + 2.0 mm |



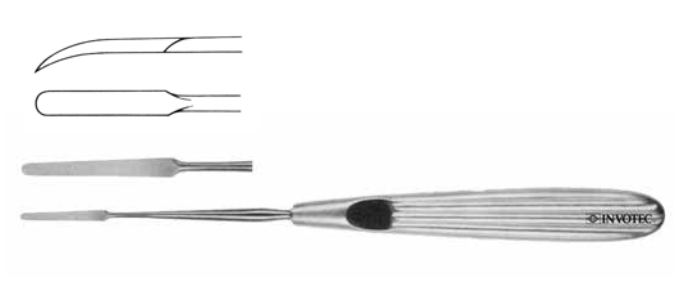
PERIOSTEOTOMES, ELEVATOR



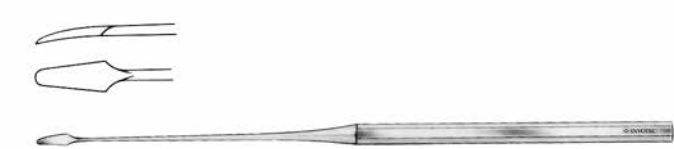
| Number | Description           |       |
|--------|-----------------------|-------|
| O26010 | Muck periosteal knife | 13 cm |



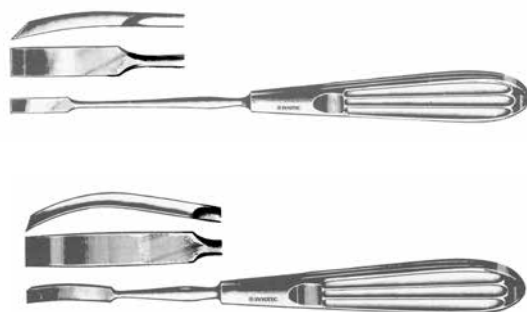
| Number | Description           |       |
|--------|-----------------------|-------|
| O26020 | Poltzer mastoid knife | 13 cm |



| Number | Description      | size      | type     | length |
|--------|------------------|-----------|----------|--------|
| O26052 | Lempert elevator | size 2 mm | straight | 18 cm  |
| O26057 | Lempert elevator | size 2 mm | curved   | 18 cm  |
| O26058 | Lempert elevator | size 3 mm | curved   | 18 cm  |



| Number | Description         | width | length |
|--------|---------------------|-------|--------|
| O26040 | Wullstein raspatory |       | 17 cm  |



| Number | Description       | width | length |
|--------|-------------------|-------|--------|
| O26070 | Lempert raspatory | 6 mm  | 20 cm  |
| O26071 | Lempert raspatory | 6 mm  | 18 cm  |



| Number | Description      | width | length |
|--------|------------------|-------|--------|
| O26080 | Jansen raspatory | 12 mm | 17 cm  |

## EAR POLYPUS SNARES

| Number | Description              | Size  |
|--------|--------------------------|-------|
| O21010 | Krause Ear Polypus Snare | 16 cm |



| Number | Description             | Size  |
|--------|-------------------------|-------|
| O21030 | Wilde Ear Polypus Snare | 16 cm |



| Number | Description      |           | Size     |
|--------|------------------|-----------|----------|
| O21042 | Snare-Wire, coil | 10 meters | 0.2 mm Ø |
| O21043 | Snare-Wire, coil | 10 meters | 0.3 mm Ø |



| Number | Description             |                    | Size      |
|--------|-------------------------|--------------------|-----------|
| O21047 | Snare-Loops, pre-shaped | bundle/ 100 pieces | 0.2mm Ø   |
| O21048 | Snare-Loops, pre-shaped | bundle/ 100 pieces | 0.3 mm Ø  |
| O21049 | Snare-Loops, pre-shaped | bundle/ 100 pieces | 0.35 mm Ø |



## MASTOID RONGEURS

Number Description

|        |                                    |   |       |
|--------|------------------------------------|---|-------|
| O26203 | Kerrison Rongeur chisel-edge punch | 0 | 80 mm |
| O26204 | Kerrison Rongeur chisel-edge punch | 1 | 80 mm |
| O26205 | Kerrison Rongeur chisel-edge punch | 2 | 80 mm |
| O26206 | Kerrison Rongeur chisel-edge punch | 3 | 80 mm |



Number Description

|        |                               |   |       |
|--------|-------------------------------|---|-------|
| O26251 | Citelli Rongeur atticus punch | 1 | 60 mm |
| O26252 | Citelli Rongeur atticus punch | 2 | 60 mm |
| O26253 | Citelli Rongeur atticus punch | 3 | 60 mm |



Number Description

|        |                                      |      |
|--------|--------------------------------------|------|
| O26265 | Brunings rongeur, chisel edged punch | 4 mm |
| O26266 | Brunings rongeur, chisel edged punch | 6 mm |



Number Description

|        |                             |      |
|--------|-----------------------------|------|
| O26272 | Beyer rongeur atticus punch | 2 mm |
|--------|-----------------------------|------|



## PUNCHES, MALLEUS NIPPERS

| Number | Description   | Width    |
|--------|---------------|----------|
| O24805 | Davol forceps | 3 x 2 mm |



| Number | Description          | Width                            |
|--------|----------------------|----------------------------------|
| O24814 | Dieter malleus punch | chisel-edge up cutting 1.3 mm    |
| O24815 | Dieter malleus punch | chisel-edge down cutting 1.3 mm  |
| O24816 | Dieter malleus punch | chisel-edge right cutting 1.3 mm |
| O24817 | Dieter malleus punch | chisel-edge left cutting 1.3 mm  |



| Number | Description                   | Width                    |
|--------|-------------------------------|--------------------------|
| O23020 | Hartmann ear dressing forceps | delicate pattern 13.5 cm |
| O23021 | Hartmann ear dressing forceps | standard pattern 13.5 cm |



| Number | Description                | Width                  |
|--------|----------------------------|------------------------|
| O23040 | Tilly ear dressing forceps | standard pattern 14 cm |



| Number | Description          | Width |
|--------|----------------------|-------|
| O23112 | Hartmann ear forceps | 14 cm |
| O23122 | Hartmann ear forceps | 20 cm |
| O23132 | Hartmann ear forceps | 22 cm |

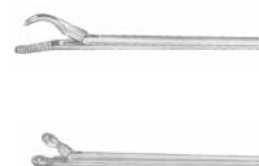




| Number | Description                         | length |
|--------|-------------------------------------|--------|
| O23142 | Hartmann-Noyes ear forceps          | 14 cm  |
| O23152 | Hartmann-Noyes ear forceps duckbill | 14 cm  |
| O23163 | Hartmann ear forceps 1 x 2 teeth    | 14 cm  |



|        |                         |       |
|--------|-------------------------|-------|
| O23170 | Weingartner ear forceps | 14 cm |
|--------|-------------------------|-------|



|        |                               |       |        |
|--------|-------------------------------|-------|--------|
| O23201 | Hartmann-Herzfeld ear forceps | 14 cm | 2 mm   |
| O23202 | Hartmann-Herzfeld ear forceps | 14 cm | 2.2 mm |
| O23203 | Hartmann-Herzfeld ear forceps | 14 cm | 2.5 mm |
| O23204 | Hartmann-Herzfeld ear forceps | 14 cm | 3.0 mm |
| O23211 | Hartmann-Herzfeld ear forceps | 14 cm | 2.0 mm |
| O23212 | Hartmann-Herzfeld ear forceps | 14 cm | 2.2 mm |
| O23213 | Hartmann-Herzfeld ear forceps | 14 cm | 2.5 mm |
| O23214 | Hartmann-Herzfeld ear forceps | 14 cm | 3.0 mm |



| Number | Description          | Length |
|--------|----------------------|--------|
| O23250 | Hartmann ear forceps | 14 cm  |



|        |                            |       |
|--------|----------------------------|-------|
| O23260 | Struempel ear forceps      | 14 cm |
| O23261 | Struempel-baby ear forceps | 14 cm |



|        |                      |        |
|--------|----------------------|--------|
| O23270 | Hartmann ear forceps | 2.0 mm |
|--------|----------------------|--------|





| Number | Description          |               |             | Length |
|--------|----------------------|---------------|-------------|--------|
| O23301 | Hartmann ear forceps | smooth jaws   |             | 14 cm  |
| O23303 | Hartmann ear forceps | smooth jaws   | 1 x 2 teeth | 14 cm  |
| O23312 | Hartmann ear forceps | serrated jaws |             | 14 cm  |
| O23314 | Hartmann ear forceps | serrated jaws | angled up   | 14 cm  |

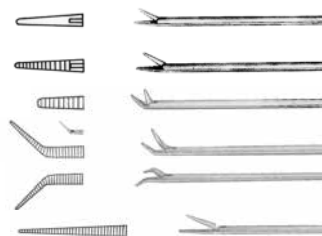


O23322 Bellucci grasping forceps\* heavy pattern

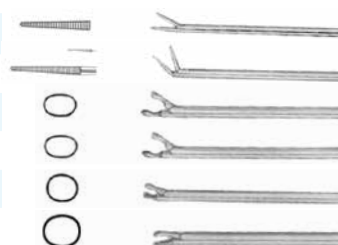
\* may also be used as prosthesis applying or wire bending forceps



| Number | Description |               |           |            |
|--------|-------------|---------------|-----------|------------|
| O23401 | Ear forceps | smooth jaws   |           | 4 x 0.5 mm |
| O23412 | Ear forceps | serrated jaws |           | 4 x 0.5 mm |
| O23414 | Ear forceps | serrated jaws | angled up | 3 x 0.5 mm |
| O23416 | Ear forceps | serrated jaws | right     | 3 x 0.5 mm |
| O23417 | Ear forceps | serrated jaws | left      | 3 x 0.5 mm |
| O23422 | Ear forceps | serrated jaws | long      | 7 x 0.5 mm |

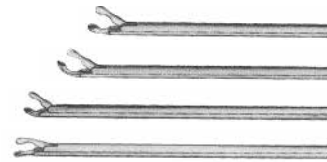


| Number | Description |                             |              |            |
|--------|-------------|-----------------------------|--------------|------------|
| O23512 | Ear forceps | serrated jaws               | straight     | 4 x 0.4 mm |
| O23514 | Ear forceps | serrated jaws               | angled up    | 4 x 0.4 mm |
| O23712 | Ear forceps | delicate with oval cup jaws | straight     | 1 x 0.9 mm |
| O23714 | Ear forceps | delicate with oval cup jaws | angled up    | 1 x 0.9 mm |
| O23716 | Ear forceps | delicate with oval cut jaws | angled right | 1 x 0.9 mm |
| O23717 | Ear forceps | delicate with oval cut jaws | angled left  | 1 x 0.9 mm |

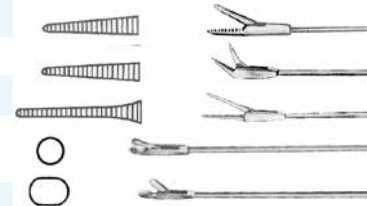




| Number | Description |               |          |              |
|--------|-------------|---------------|----------|--------------|
| O23912 | Ear forceps | oval cup jaws | straight | 0.6 x 0.5 mm |
| O23914 | Ear forceps | oval cup jaws | up       | 0.6 x 0.5 mm |
| O23916 | Ear forceps | oval cup jaws | right    | 0.6 x 0.5 mm |
| O23917 | Ear forceps | oval cup jaws | left     | 0.6 x 0.5 mm |



| Number | Description |                     |          | diameter     |
|--------|-------------|---------------------|----------|--------------|
| O25012 | Ear forceps | serrated jaws       | straight | 5 x 0.5 mm   |
| O25014 | Ear forceps | serrated jaws       | up       | 4 x 0.5 mm   |
| O25023 | Ear forceps | serrated jaws       | long     | 7 x 0.5 mm   |
| O25030 | Ear forceps | with round cup jaws |          | 0.9 mm       |
| O25035 | Ear forceps | with oval cut jaws  |          | 1.2 x 0.9 mm |



|        |                                 |                  |  |          |
|--------|---------------------------------|------------------|--|----------|
| O25060 | Wullstein-Blakesley Ear forceps | jaws fenestrated |  | 5 x 2 mm |
|--------|---------------------------------|------------------|--|----------|



## WIRE BENDING FORCEPS

Number Description

|        |                         |             |              |
|--------|-------------------------|-------------|--------------|
| O24611 | Schuknecht Wire crimper | curved down | 6.0 x 0.8 mm |
|--------|-------------------------|-------------|--------------|



Number Description

|        |                            |             |              |
|--------|----------------------------|-------------|--------------|
| O24614 | McGee wire bending forceps | curved down | 3.5 x 0.8 mm |
|--------|----------------------------|-------------|--------------|

|        |                            |             |              |
|--------|----------------------------|-------------|--------------|
| O24615 | McGee wire bending forceps | curved down | 4.5 x 0.8 mm |
|--------|----------------------------|-------------|--------------|



## FORCEP PROTECTOR

• autoclavable

Number Description

Length

|        |                         |       |
|--------|-------------------------|-------|
| O24990 | Teflon forcep protector | 80 mm |
|--------|-------------------------|-------|

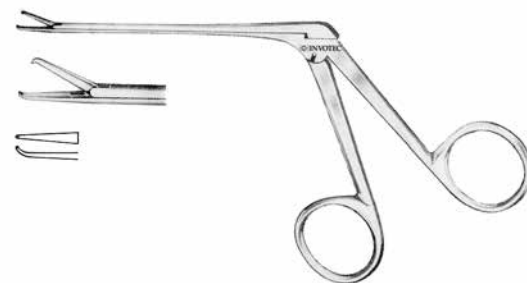


Number Description

Shaft Width

Shaft Length

|        |                   |        |       |
|--------|-------------------|--------|-------|
| O24812 | Tabb crura nipper | 1.5 mm | 65 mm |
|--------|-------------------|--------|-------|





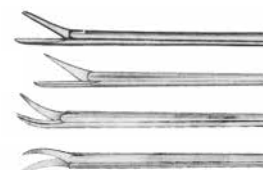
| Number | Description             |               |          | Shaft Length |
|--------|-------------------------|---------------|----------|--------------|
| O24910 | Graven grasping forceps | serrated jaws | 3 x 1 mm | 70 mm        |



| Number | Description    |             |            | Shaft Length |
|--------|----------------|-------------|------------|--------------|
| O24919 | Fuller forceps | smooth jaws | 6 x 0.8 mm | 75 mm        |

Number Description

|        |                            |                     |              |
|--------|----------------------------|---------------------|--------------|
| O24110 | Shea-Bellucci Ear scissors | blunt tip blades    | straight     |
| O24112 | Shea-Bellucci Ear scissors | straight tip blades | straight     |
| O24116 | Shea-Bellucci Ear scissors | semi-sharp tip      | curved right |
| O24117 | Shea-Bellucci Ear scissors | semi-sharp tip      | curved left  |



Number Description

|        |                       |                  |              |
|--------|-----------------------|------------------|--------------|
| O24211 | Bellucci ear scissors | sharp/blunt tip  | straight     |
| O24212 | Bellucci ear scissors | sharp tip blades | straight     |
| O24213 | Bellucci ear scissors | sharp tip        | angled up    |
| O24216 | Bellucci ear scissors | sharp tip        | curved right |
| O24217 | Bellucci ear scissors | sharp tip        | curved left  |



Number Description

|        |              |                  |              |
|--------|--------------|------------------|--------------|
| O25052 | Ear scissors | sharp tip blades | straight     |
| O25054 | Ear scissors | sharp tip        | angled up    |
| O25056 | Ear scissors | sharp tip        | curved right |
| O25057 | Ear scissors | sharp tip        | curved left  |





| Number | Description             | Shaft Length | Length  |
|--------|-------------------------|--------------|---------|
| O24810 | Lempert Malleus forceps |              | 11.5 cm |



| Number | Description              | Shaft Length | Length |
|--------|--------------------------|--------------|--------|
| O24835 | Wullstein malleus nipper | 80 mm        | 15 cm  |



Number Description

O30601 Barbara sharp needle/pick

O30603 Barbara sharp needle/pick

O30604 Rosen sharp needle/pick

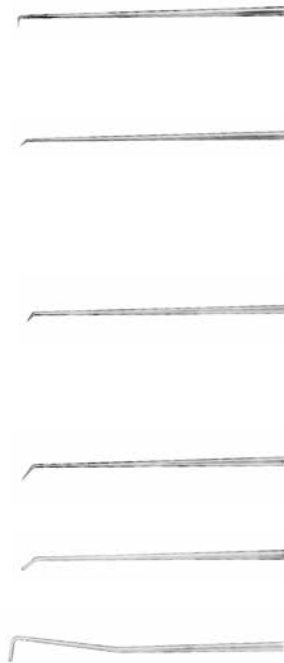
O30605 Rosen blunt needle/pick

O30606 Rosen blunt needle/pick





| Number | Description |                 |       |        |     |
|--------|-------------|-----------------|-------|--------|-----|
| O30607 | Austin hook |                 |       | 1.5 mm | 90° |
| O30613 | Austin hook |                 |       | 0.3 mm | 25° |
| O30616 | Austin hook |                 |       | 0.6 mm | 25° |
| O30620 | Austin hook |                 |       | 1.0 mm | 25° |
| O30641 | Austin hook |                 |       | 1.5 mm | 45° |
| O30643 | Austin hook |                 |       | 2.5 mm | 45° |
| O30645 | Shea hook   | oblique pick    | blunt | 2.0 mm | 45° |
| O30649 | Austin hook | attic dissector | blunt | 3.0 mm | 90° |
| O30641 | Austin hook |                 |       | 1.5 mm | 45° |
| O30643 | Austin hook |                 |       | 2.5 mm | 45° |
| O30645 | Shea hook   | oblique pick    | blunt | 2.0 mm | 45° |
| O30649 | Austin hook | attic dissector | blunt | 3.0 mm | 90° |

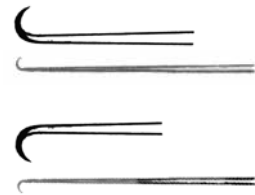


| Number | Description         |              |        |     |
|--------|---------------------|--------------|--------|-----|
| O30772 | Antoli-Candela hook | angled right | 0.6 mm | 90° |
| O30773 | Antoli-Candela hook | angled left  | 0.6 mm | 90° |
| O30792 | Antoli-Candela hook | right        | 1.0 mm | 90° |
| O30793 | Antoli-Candela hook | left         | 1.0 mm | 90° |





| Number | Description |             |        |
|--------|-------------|-------------|--------|
| O30775 | McGee hook  | curved up   | 0.5 mm |
| O30780 | McGee hook  | curved up   | 1.0 mm |
| O30785 | McGee hook  | curved down | 0.5 mm |
| O30790 | McGee hook  | curved down | 1.0 mm |

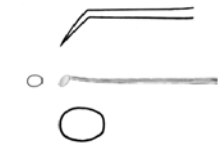
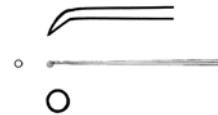
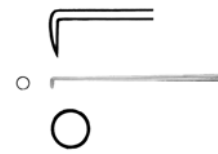
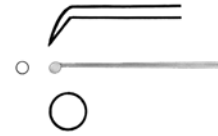


| Number | Description  |  |        |
|--------|--------------|--|--------|
| O30802 | Fisch hook   |  | 0.2 mm |
| O30806 | Plester hook |  | 0.6 mm |





| Number | Description                           | Diameter | Diameter |
|--------|---------------------------------------|----------|----------|
| O30810 | Antoli-Candela incision knife         | 1.0 mm   | 45°      |
| O30815 | Antoli-Candela incision knife         | 1.5 mm   | 45°      |
| O30820 | Antoli-Candela incision knife         | 2.0 mm   | 45°      |
| O30823 | Antoli-Candela incision knife         | 2.3 mm   | 45°      |
| O30825 | Antoli-Candela incision knife         | 2.5 mm   | 45°      |
| O30830 | Antoli-Candela circular cutting knife | 1.0 mm   | 90°      |
| O30835 | Antoli-Candela circular cutting knife | 1.5 mm   | 90°      |
| O30840 | Antoli-Candela circular cutting knife | 2.0 mm   | 90°      |
| O30843 | Antoli-Candela circular cutting knife | 2.3 mm   | 90°      |
| O30845 | Antoli-Candela circular cutting knife | 2.5 mm   | 90°      |



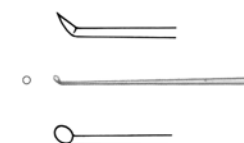
|        |                                              |        |     |
|--------|----------------------------------------------|--------|-----|
| O30901 | House round knife for incudo-stapedial joint | 1.0 mm | 30° |
| O30903 | Goldmann knife-elevator for metal wall       | 3.0 mm | 45° |



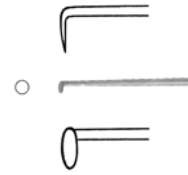
| Number | Description         | Size       |
|--------|---------------------|------------|
| O30906 | Rosen knife curette | 1.5 mm 45° |



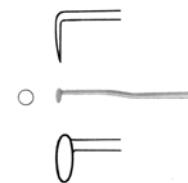
| Number | Description                                           | Size       |
|--------|-------------------------------------------------------|------------|
| O30911 | Antoli-Candela Round knife for incudo-stapedial joint | 1.0 mm 45° |



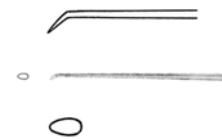
| Number | Description               | Size       |
|--------|---------------------------|------------|
| O30922 | Austin round knife weapon | 2.0 mm 90° |



| Number | Description         | Size       |
|--------|---------------------|------------|
| O30925 | Gerlach round knife | 3.0 mm 90° |



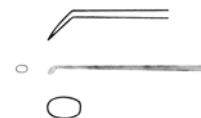
| Number | Description              | Size           |
|--------|--------------------------|----------------|
| O30935 | Shea tympanoplasty knife | 1.5 x 1 mm 45° |



| Number | Description              | Size             |
|--------|--------------------------|------------------|
| O30938 | Shea tympanoplasty knife | 4.0 x 2.5 mm 60° |



| Number | Description                  | Size |
|--------|------------------------------|------|
| O30939 | Harrison tympanoplasty knife | 45°  |

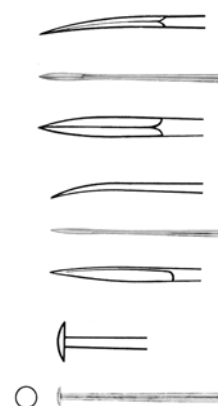


| Number | Description                  | Size |
|--------|------------------------------|------|
| O30947 | Harrison tympanoplasty knife | 90°  |

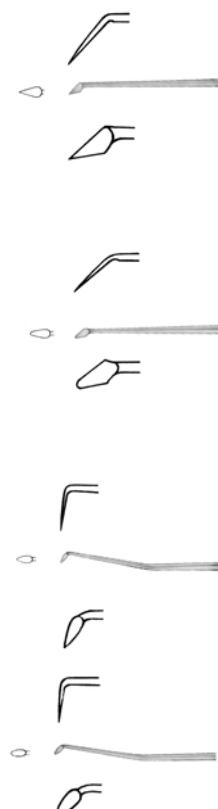




| Number | Description               | Size         |
|--------|---------------------------|--------------|
| O31061 | House tympanoplasty knife | 4.0 x 1.0 mm |
| O31063 | House tympanoplasty knife | 3.0 x 1.0 mm |
| O31075 | Gray tympanoplasty knife  | 3.5 mm Ø     |



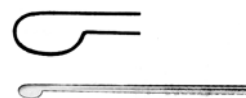
| Number | Description           |                   |
|--------|-----------------------|-------------------|
| O30953 | Rosen incision knife  | 45°               |
| O30955 | Hough incision knife  | 2.0 x 1- 2 mm 45° |
| O30958 | House lancet knife    | 2.0 x 1.0 mm 45°  |
| O30965 | Shea incision knife   | 2.0 x 1.5 mm 90°  |
| O30967 | Austin incision knife | 1.8 x 1.2 mm 90°  |





Number Description

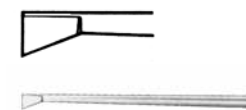
O31003 Guilford-Wright flap knife 2 mm



O31005 Plester flap knife 3.5 mm



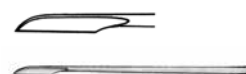
O31017 Plester incision knife 2.5 mm



O31032 Austin sickle knife 3.0 x 1.0 mm



O31035 Austin incision knife for footplate



Number Description

O31040 Tabb tympanoplasty knife 1.5 x 1 - 1.15 mm



O31041 House sickle knife #1 6.0 x 1.5 mm



Number Description

O31046 Schuknecht sickle knife 5.0 x 1.0 mm





| Number | Description           |            | Width        | Length |
|--------|-----------------------|------------|--------------|--------|
| O31103 | Goldmann elevator     | oval shape | slight curve | 2.5 mm |
| O31111 | House stapes elevator |            |              | 12 mm  |
| O31131 | Shea elevator         |            | right        | 1.2 mm |
| O31132 | Shea elevator         |            | left         | 1.2 mm |



| Number | Description                 |       | Length |
|--------|-----------------------------|-------|--------|
| O31171 | Shambaugh-Derlacki elevator | blunt | 14 cm  |

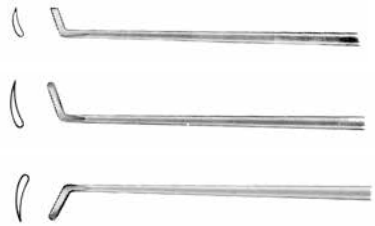


| Number | Description             |               | Width  |
|--------|-------------------------|---------------|--------|
| O30922 | Austin round knife      | angled up 90° | 2 mm Ø |
| O31102 | Antoli-Candela elevator | curved        | 1.8 mm |
| O31115 | Rosen elevator          | 15 x 1.5 mm   |        |
| O31121 | Rosen elevator          | 15 x 1.0 mm   |        |
| O31122 | Rosen elevator          | 15 x 1.2 mm   |        |





| Number | Description         |               |                        | Width |
|--------|---------------------|---------------|------------------------|-------|
| O31143 | Schuknecht elevator | flat          | tip slightly curved up | 1 mm  |
| O31150 | Hough excavator     | heavy pattern | right                  |       |
| O31151 | Hough excavator     | heavy pattern | left                   |       |

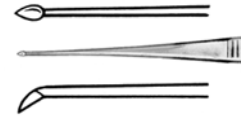


| Number | Description                          |                 | width  | length  |
|--------|--------------------------------------|-----------------|--------|---------|
| O31175 | Shambaugh-Derlacki elevator          | angled tip      | 2.0 mm | 14.4 cm |
| O61600 | Shambaugh-Derlacki duckbill elevator | slightly curved | 3.0 mm | 14.5 cm |

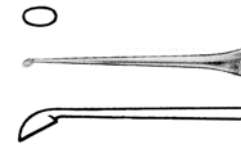




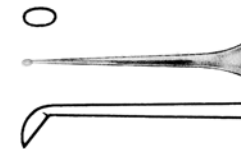
| Number | Description                           |         |       | Length |
|--------|---------------------------------------|---------|-------|--------|
| O31290 | Double-ended curette for Stapedectomy | pointed | small | 17 cm  |
| O31292 | Double-ended curette for Stapedectomy | pointed | large | 17 cm  |



| Number | Description                                 |                              |  | Diameter |        |
|--------|---------------------------------------------|------------------------------|--|----------|--------|
| O31270 | House Double-ended curette for stapedectomy | cups slightly angled forward |  | 1.0 mm   | 1.2 mm |
| O31275 | House Double-ended curette for stapedectomy | cups slightly angled forward |  | 1.5 mm   | 1.8 mm |

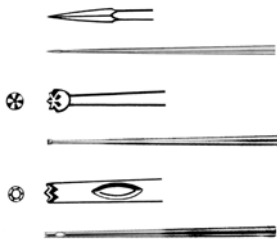


|        |                                             |                              |  |        |        |
|--------|---------------------------------------------|------------------------------|--|--------|--------|
| O31280 | House Double-ended curette for stapedectomy | cups strongly angled forward |  | 1.0 mm | 1.2 mm |
| O31285 | House Double-ended curette for stapedectomy | cups strongly angled forward |  | 1.5 mm | 1.8 mm |



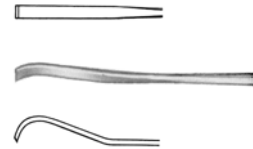


| Number | Description            |              | Diameter |
|--------|------------------------|--------------|----------|
| O36590 | Larkin hand perforator | trocar point | 0.8 mm   |
| O62502 | Larkin hand penetrator |              | 0.8 mm   |
| O36594 | Larkin hand trephine   |              | 0.8 mm   |





| Number | Description    | Width  | Diameter |
|--------|----------------|--------|----------|
| O31461 | Rose Mobilizer | 1.8 mm |          |



|        |                                  |               |        |
|--------|----------------------------------|---------------|--------|
| O31465 | Goldmann Mobilizer with ball tip | angled up 25° | 0.8 mm |
|--------|----------------------------------|---------------|--------|



|        |                                |  |        |
|--------|--------------------------------|--|--------|
| O31468 | Goldmann pluggar with ball tip |  | 1.0 mm |
|--------|--------------------------------|--|--------|





| Number | Description         |                   |      |        |
|--------|---------------------|-------------------|------|--------|
| O31410 | Hough measuring rod | markers at 3.5 mm | 4 mm | 4.5 mm |



|        |                                  |         |             |
|--------|----------------------------------|---------|-------------|
| O31433 | Austin wire guide and applicator | v-notch | light curve |
|--------|----------------------------------|---------|-------------|



| Number | Description        |  |  |  |
|--------|--------------------|--|--|--|
| O38950 | Piston cutting jig |  |  |  |



## KLEINSASSAR TYPE

| Number | Size  | Description                    |
|--------|-------|--------------------------------|
| L30001 | 18 cm | Adult Large                    |
| L30002 | 18 cm | Medium                         |
| L30003 | 18 cm | Small                          |
| L30004 | 18 cm | Anterior commissure            |
| L30005 | 22 cm | Anterior commissure, long neck |
| L30006 | 15 cm | Child                          |
| L30007 | 13 cm | Small Child                    |



## SPREADABLE OPERATING LARYNGOSCOPES

| Number  | Size  | Description                    |
|---------|-------|--------------------------------|
| L30001S | 17 cm | Adult Large                    |
| L30002S | 17 cm | Medium                         |
| L30003S | 18 cm | Small                          |
| L30004S | 18 cm | Anterior commissure            |
| L30005S | 22 cm | Anterior commissure, long neck |
| L30006S | 15 cm | Child                          |
| L30007S | 13 cm | Small Child                    |



## BENJAMIN SLIM

| Number    | Size  | Description  |
|-----------|-------|--------------|
| L550-1327 | 17 cm | Adult Medium |



## LARYNGOSCOPE HOLDER AND CHEST SUPPORT

| Number | Ring Size | Rod Size | Description                               |
|--------|-----------|----------|-------------------------------------------|
| L30400 | 9.5 cm Ø  | 34 cm    | Adult size chest support with rubber ring |
| L30500 | 9.5 cm Ø  | 24 cm    | Child size rod only with rubber ring      |
| L30401 |           |          | Rubber ring replacement for L30400-L30500 |



## LEWY LARYNGOSCOPE HOLDER

| Number | Description                                                                        |
|--------|------------------------------------------------------------------------------------|
| L30390 | Lewy Laryngoscope holder and chest brace                                           |
| L3039H | Lewy handle for Kleinsassar, spreadables and Benjamin Slim operating laryngoscopes |



## DEDO-PILLING MICRO LARYNGOSCOPE TYPE II

- Eliminates light loss though continuous illuminating fibers
- Supplied with two light carriers

| Number   | Size  | Overall length | Minimum ID | Maximum OD | Description                             |
|----------|-------|----------------|------------|------------|-----------------------------------------|
| L530-173 | Adult | 173 mm         | 11.6 mm    | 30.1 mm    | Dedo-Pilling Micro Laryngoscope Type II |



## HOLINGER LARYNGOSCOPE

| Number    | Description  | Working Length | Full Length |
|-----------|--------------|----------------|-------------|
| L740020   | Adult Large  | 157 mm         | 180 mm      |
| L550-1350 | Adult Medium | 146 mm         | 170 mm      |



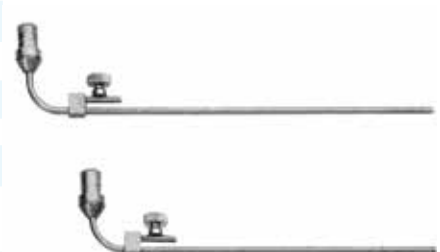
## JACKSON LARYNGOSCOPE

| Number  | Description         | Full Length |
|---------|---------------------|-------------|
| L740012 | Infant Laryngoscope | 120 mm      |
| L740017 | Child Laryngoscope  | 170 mm      |
| L740018 | Adult Laryngoscope  | 180 mm      |



## FIBER OPTIC LIGHT CARRIERS

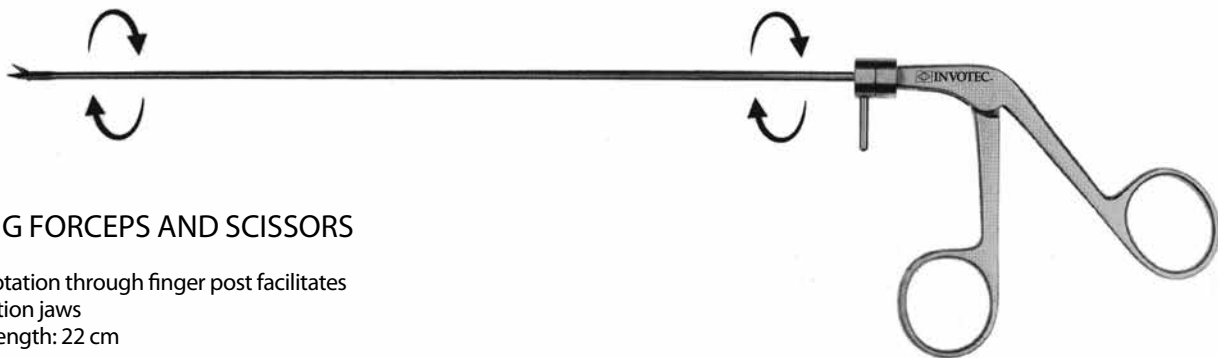
| Number    | Description                                                   | Compatible Laryngoscope Models   |
|-----------|---------------------------------------------------------------|----------------------------------|
| L30010    | Large, Fiber Optic Light Carrier                              | Kleinsassar Type L30001 - L30005 |
| L30011    | Medium, Fiber Optic Light Carrier                             | Kleinsassar Type L30006 - L30007 |
| L30012    | X-Long, Fiber Optic Light Carrier                             | Kleinsassar Type L30005          |
| L30013    | Light carrier fittings - Storz                                |                                  |
| L30014    | Light carrier fittings - Wolfe                                |                                  |
| L550-1330 | Fiber Optic Light Carrier with clip for proximal illumination |                                  |



## SUCTIONS

| Number | Description               | Compatible Laryngoscope Models   |
|--------|---------------------------|----------------------------------|
| L30110 | Suction / Smoke Evacuator | Kleinsassar Type L30001 - L30005 |
| L30111 | Suction / Smoke Evacuator | Kleinsassar Type L30006 - L30007 |





## ROTATING FORCEPS AND SCISSORS

- Full 360° rotation through finger post facilitates
- Double action jaws
- Working Length: 22 cm

### Forceps

| Number | Description                                                    |        |                |
|--------|----------------------------------------------------------------|--------|----------------|
| L32203 | Cutting Forceps with round cupped double action jaws           | 2 mm Ø | curved         |
| L32206 | Alligator Forceps with serrated, double action jaws            |        | curved         |
| L32207 | Grasping Forceps with triangular, serrated, double action jaws |        | curved upwards |



### Scissors

| Number | Description |        |
|--------|-------------|--------|
| L32210 | Scissors    | curved |



## ANTERIOR COMMISSURE FORCEPS AND SCISSORS

- Conical sheath for high stability and optimal view
- Optimum access in the anterior commissure via 10° upcurved distal end

### Cutting Forceps

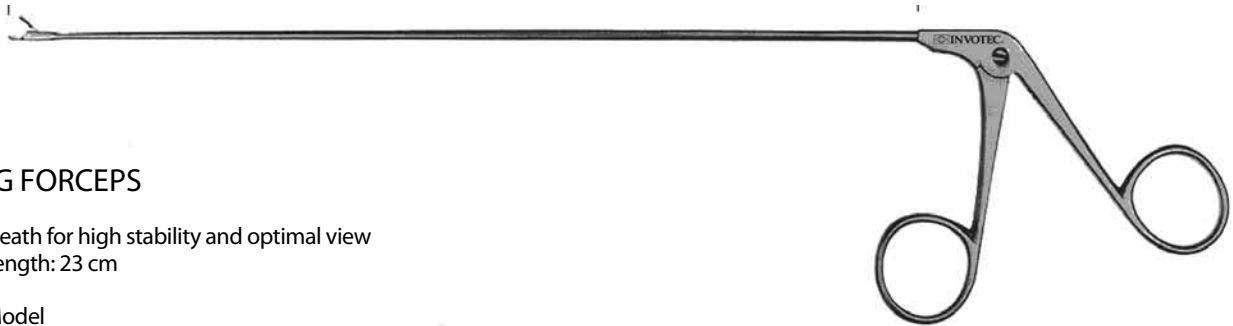
| Number | Description                             |        |                |
|--------|-----------------------------------------|--------|----------------|
| L32101 | Cutting Forceps with round, cupped jaws | 2 mm Ø | straight       |
| L32102 | Cutting Forceps with round, cupped jaws | 2 mm Ø | curved upwards |
| L32103 | Cutting Forceps with round, cupped jaws | 2 mm Ø | curved right   |
| L32104 | Cutting Forceps with round, cupped jaws | 2 mm Ø | curved left    |



### Scissors

| Number | Description |              |
|--------|-------------|--------------|
| L32108 | Scissors    | straight     |
| L32109 | Scissors    | upcurved 45° |
| L32110 | Scissors    | curved right |
| L32111 | Scissors    | curved left  |





## CUTTING FORCEPS

- Conical sheath for high stability and optimal view
- Working length: 23 cm

### Standard Model

| Number | Description                                                |        |                      |
|--------|------------------------------------------------------------|--------|----------------------|
| L32001 | Cutting Forceps with round cupped jaws                     | 2 mm Ø | straight             |
| L32002 | Cutting Forceps with round cupped jaws                     | 2 mm Ø | curved upwards       |
| L32003 | Cutting Forceps with round cupped jaws                     | 2 mm Ø | curved right         |
| L32004 | Cutting Forceps with round cupped jaws                     | 2 mm Ø | curved left          |
| L32050 | Cutting Forceps with round cupped jaws                     | 2 mm Ø | curved upwards right |
| L32051 | Cutting Forceps with round cupped jaws                     | 2 mm Ø | curved upwards left  |
| L32052 | Cutting Forceps with round cupped jaws, horizontal opening | 2 mm Ø | curved right         |
| L32053 | Cutting Forceps with round cupped jaws, horizontal opening | 2 mm Ø | curved left          |
| L32150 | Cutting Forceps with long oval cupped jaws                 |        | curved upwards       |
| L32151 | Cutting Forceps with long oval cupped jaws, opening right  |        | upcurved             |
| L32152 | Cutting Forceps with long oval cupped jaws, opening left   |        | upcurved             |



### Heavy Model

| Number | Description                    |        |                |
|--------|--------------------------------|--------|----------------|
| L32040 | Forceps with oval cupped jaws  | 3x5 mm | straight       |
| L32041 | Forceps with round cupped jaws | 4 mm Ø | straight       |
| L32042 | Forceps with round cupped jaws | 4 mm Ø | curved upwards |
| L32043 | Forceps with round cupped jaws | 4 mm Ø | curved right   |
| L32044 | Forceps with round cupped jaws | 4 mm Ø | curved left    |



### Double Action Model

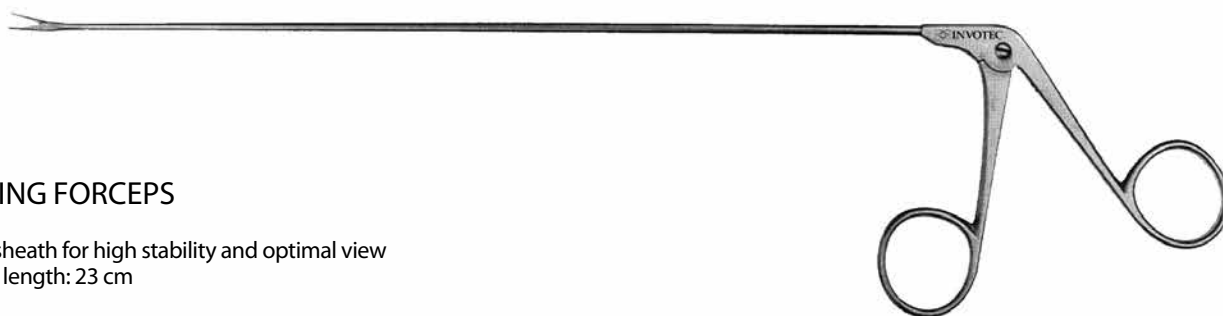
| Number | Description                                           |        |          |
|--------|-------------------------------------------------------|--------|----------|
| L32046 | Cutting Forceps with round cupped, double action jaws | 5 mm Ø | straight |



### Minature, Very Delicate Model

| Number  | Description                                |        |                      |
|---------|--------------------------------------------|--------|----------------------|
| L32060  | Miniature Cutting Forceps with cupped jaws | 1 mm Ø | straight             |
| L32061  | Miniature Cutting Forceps with cupped jaws | 1 mm Ø | curved upwards       |
| L32062  | Miniature Cutting Forceps with cupped jaws | 1 mm Ø | curved right         |
| L32063  | Miniature Cutting Forceps with cupped jaws | 1 mm Ø | curved left          |
| L32064  | Miniature Cutting Forceps with cupped jaws | 1 mm Ø | curved upwards right |
| L 32065 | Miniature Cutting Forceps with cupped jaws | 1 mm Ø | curved upwards left  |





## GRASPING FORCEPS

- Conical sheath for high stability and optimal view
- Working length: 23 cm

### Standard Model

| Number | Description                                            |           |                |
|--------|--------------------------------------------------------|-----------|----------------|
| L32105 | Artery Forceps with ratchet                            | serrated  | straight       |
| L32005 | Alligator Forceps                                      | serrated  | straight       |
| L32006 | Alligator Forceps                                      | serrated  | curved right   |
| L32007 | Alligator Forceps                                      | serrated  | curved left    |
| L32215 | Alligator Forceps, horizontal opening                  | serrated  | straight       |
| L32054 | Alligator Forceps                                      | serrated  | curved up      |
| L32154 | Alligator Forceps, horizontal opening                  | serrated  | curved up      |
| L32055 | Forceps with triangular jaws                           | curved up | opening right  |
| L32056 | Forceps with triangular jaws                           | curved up | opening left   |
| L32058 | Forceps with triangular jaws                           | straight  |                |
| L32059 | Forceps with triangular jaws                           | curved up |                |
| L32068 | ARNOLD Vocal Cord Holding Forceps with triangular jaws |           | for right side |
| L32069 | ARNOLD Vocal Cord Holding Forceps with triangular jaws |           | for left side  |



### Minature, Very Delicate Model

| Number | Description                                     |          |                |
|--------|-------------------------------------------------|----------|----------------|
| L32070 | Miniature Grasping Forceps                      | serrated | straight       |
| L32071 | Miniature Grasping Forceps                      | serrated | curved upwards |
| L32072 | Miniature Grasping Forceps                      | serrated | curved right   |
| L32073 | Miniature Grasping Forceps                      | serrated | curved left    |
| L32076 | Miniature Grasping Forceps with triangular jaws | serrated | curved right   |
| L32077 | Miniature Grasping Forceps with triangular jaws | serrated | curved left    |





## SCISSORS

- Conical sheath for high stability and optimal view
- Working length: 23 cm

### Standard Model

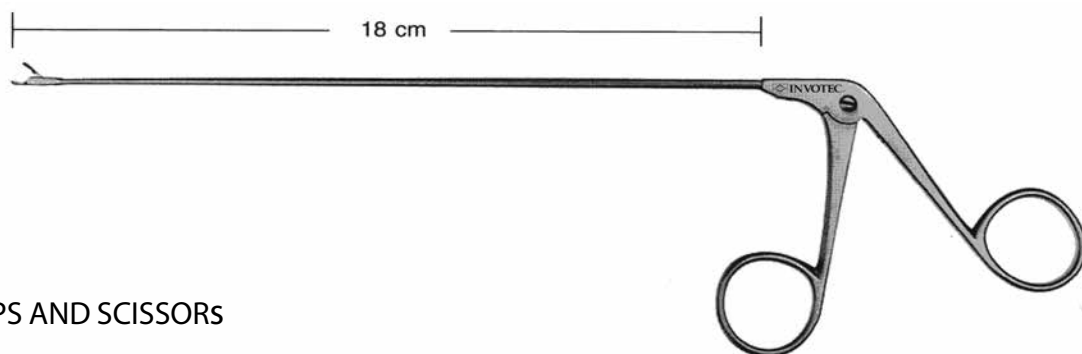
| Number | Description                  |               |
|--------|------------------------------|---------------|
| L32008 | Scissors                     | straight      |
| L32009 | Scissors                     | curved up 45° |
| L32115 | Scissors                     | curved up 15° |
| L32010 | Scissors                     | curved right  |
| L32011 | Scissors                     | curved left   |
| L32057 | Scissors, horizontal cutting | straight      |



### Minature, Very Delicate Model

| Number | Description        |               |
|--------|--------------------|---------------|
| L32080 | Miniature Scissors | straight      |
| L32081 | Miniature Scissors | curved up 45° |
| L32082 | Miniature Scissors | curved right  |
| L32083 | Miniature scissors | curved left   |





## PEDIATRIC FORCEPS AND SCISSORS

- Conical sheath for high stability and optimal view
- Working length: 18 cm

### Cutting Forceps

| Number | Description                                                                       |        |           |
|--------|-----------------------------------------------------------------------------------|--------|-----------|
| L31902 | Cutting Forceps with cupped jaws                                                  | 2 mm Ø | straight  |
| L31903 | Cutting Forceps with cupped jaws                                                  | 2 mm Ø | curved up |
| L31904 | Cutting Forceps with cupped jaws                                                  | 3 mm Ø | straight  |
| L31905 | Cutting Forceps with cupped jaws                                                  | 3 mm Ø | curved up |
| L31906 | Cutting Forceps with cupped jaws                                                  | 1 mm Ø | straight  |
| L31907 | Cutting Forceps with cupped jaws                                                  | 1 mm Ø | curved up |
| L31930 | Cutting Forceps with cupped jaws with horizontal opening and malleable distal end | 4 mm Ø |           |

### Grasping Forceps

|        |                                      |          |
|--------|--------------------------------------|----------|
| L31910 | Alligator Forceps with serrated jaws | straight |
|--------|--------------------------------------|----------|

### Scissors

| Number | Description |              |
|--------|-------------|--------------|
| L31920 | Scissors    | straight     |
| L31921 | Scissors    | upcurved 45° |
| L31922 | Scissors    | curved right |
| L31923 | Scissors    | curved left  |

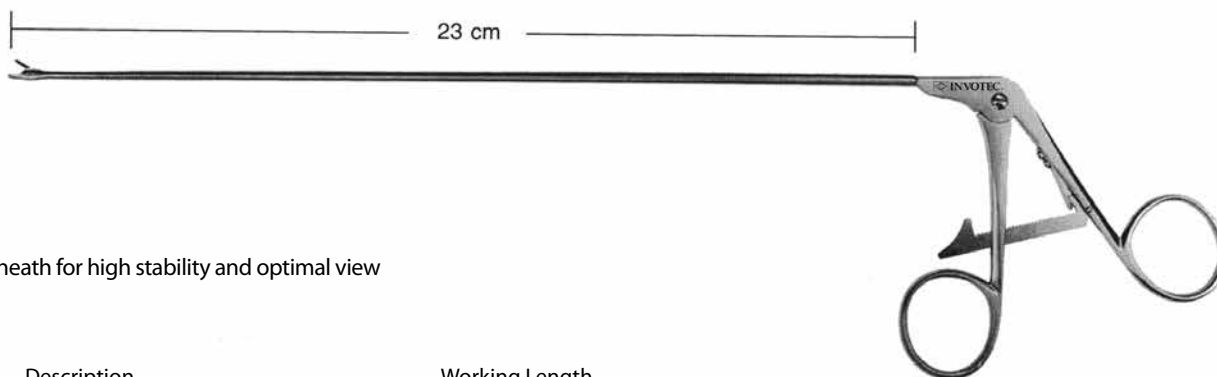




UNIPOLAR COAGULATION FORCEPS

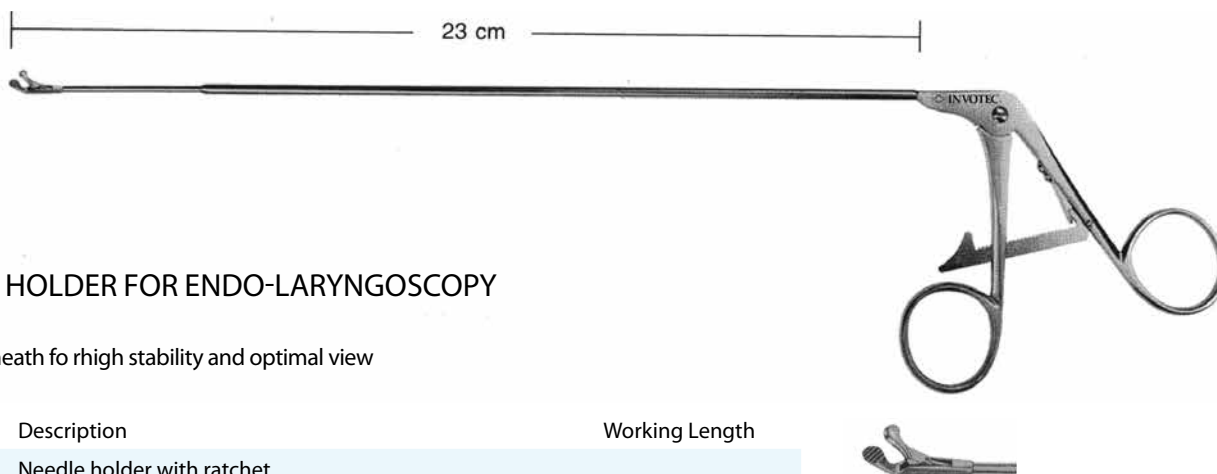
- Unipolar coagulation
- 360° rotatable
- Laser smoke evacuation

| Number  | Description                                                |           |          |          | Shaft  | Working Length |                                                                                       |
|---------|------------------------------------------------------------|-----------|----------|----------|--------|----------------|---------------------------------------------------------------------------------------|
| L040023 | Unipolar coagulation forceps with smoke evacuation channel | Rotatable | Serrated | Straight | 3.0 mm | 23 cm          |    |
| L040223 | Unipolar coagulation forceps with smoke evacuation channel | Rotatable | Serrated | Straight | 3.0 mm | 23 cm          |    |
| L040423 | Unipolar coagulation forceps with smoke evacuation channel | Rotatable | Serrated | Straight | 3.0 mm | 23 cm          |    |
| L040623 | Unipolar coagulation forceps with smoke evacuation channel | Rotatable | Serrated | Straight | 3.0 mm | 23 cm          |  |



- Conical sheath for high stability and optimal view

| Number | Description                                | Working Length |
|--------|--------------------------------------------|----------------|
| L32036 | Needle Holder with ratchet, conical sheath | 23 cm          |



## NEEDLE HOLDER FOR ENDO-LARYNGOSCOPY

- Conical sheath for high stability and optimal view

| Number | Description                                                      | Working Length          |
|--------|------------------------------------------------------------------|-------------------------|
| L32037 | Needle holder with ratchet, delicate with rounded, serrated jaws | 1.6 mm Ø upcurved 23 cm |



## MICROSURGERY INSTRUMENTS

Number Description

L32025 Handle for use with L32013-L32116

Number Description

L32013 Knife Round 45 ° angle 2.5 mm Ø

L32014 Knife Round Verticle cutting

L32015 Knife Oval Straight

L32016 Knife Straight cutting

L32116 Knife Sickle shaped Curved

L32017 Knife Golf club shaped

L32018 Hook Blunt

L32019 Hook Sharp

L32024 Hook Probe end 90° angle

L32020 Needle Curved right

L32021 Needle Curved left

L32022 Elevator with suction channel

L32023 Knot Tier



## JAKO ENDOLARYNGEAL MICROSURGERY

Number Description

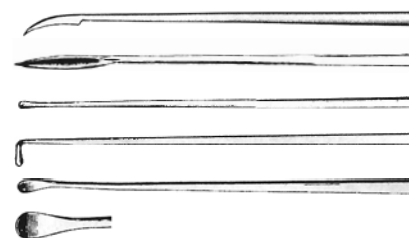
L44510 JAKO Laryngeal Sickle Knife Knife length: 8 mm

L44511 JAKO Laryngeal Knife Knife length: 8 mm

L44520 JAKO Laryngeal Probe

L44521 JAKO Laryngeal Hook

L44540 JAKO Laryngeal Dissector Blunt



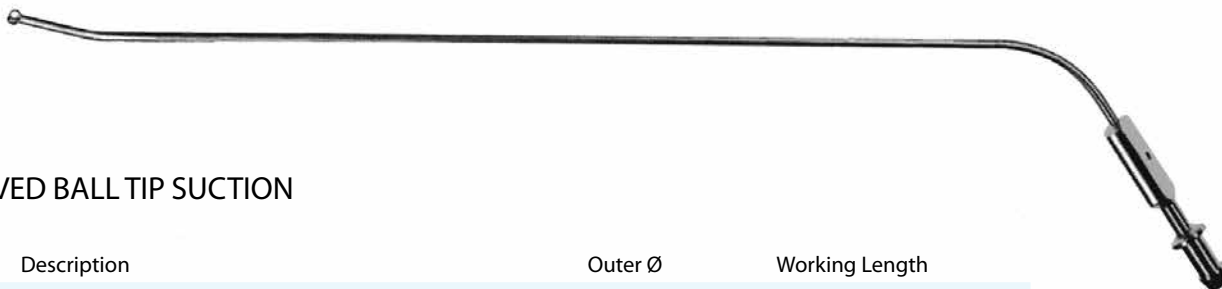


### MICRO LARYNGEAL BLADE HANDLE

- Collet designed to hold sterile micro blades

| Number   | Description                          | Working Length | Wing Dimension |
|----------|--------------------------------------|----------------|----------------|
| 60-44300 | Harris Micro Laryngeal Blade Handle* | 22.5 cm        | 42 x 25 mm     |

\* Designed in conjunction with Thomas Harris MA FRCS. London, UK.



### UPCURVED BALL TIP SUCTION

| Number | Description                           |                | Outer Ø | Working Length |
|--------|---------------------------------------|----------------|---------|----------------|
| L32029 | Suction Tube with distal end upcurved | Tip ball shape | 2 mm    | 25 cm          |
| L32039 | Suction Tube with distal end upcurved | Tip ball Shape | 3 mm    | 25 cm          |



### PEDIATRIC SUCTION

| Number | Description                          | Outer Ø | Working Length |
|--------|--------------------------------------|---------|----------------|
| L31932 | Pediatric Suction Tube with ball end | 2 mm    | 20 cm          |
| L31933 | Pediatric Suction Tube with ball end | 3 mm    | 20 cm          |



### STRAIGHT SUCTION

| Number | Description  | Outer Ø | Working Length |
|--------|--------------|---------|----------------|
| L32026 | Suction Tube | 2 mm    | 25 cm          |
| L32027 | Suction Tube | 2.5 mm  | 25 cm          |
| L32028 | Suction Tube | 3 mm    | 25             |



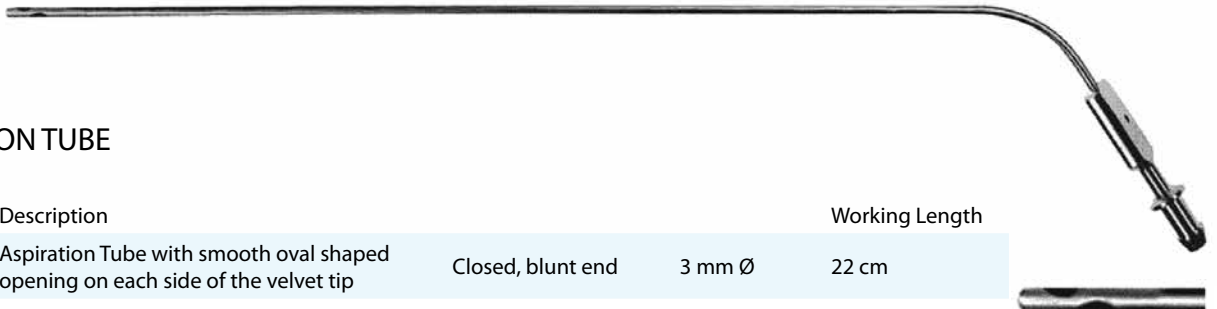
### INSULATED CANNULA

| Number | Description                                   | Outer Ø |
|--------|-----------------------------------------------|---------|
| L32030 | Insulated Cannula for suction and coagulation | 3 mm    |



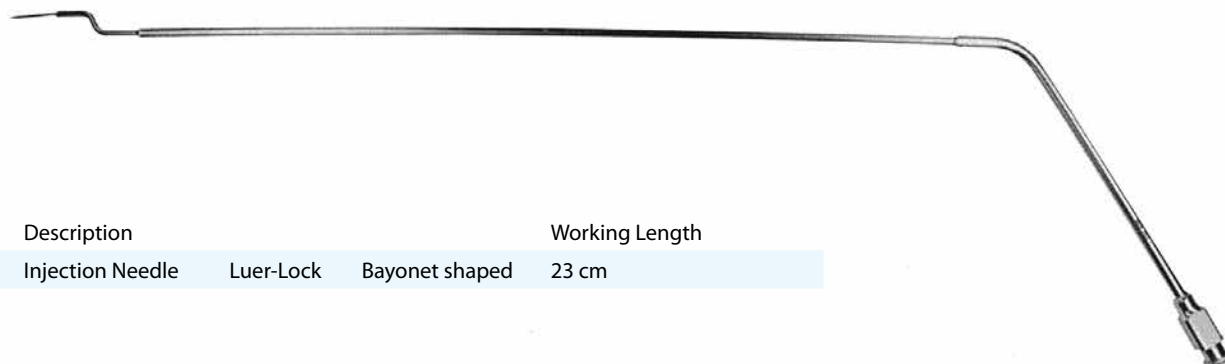
## COTTON CARRIER

| Number | Description    |                    | Working Length | Outer Ø |
|--------|----------------|--------------------|----------------|---------|
| L32128 | Cotton Carrier | Twist end serrated | 28 cm          | 2.5 mm  |

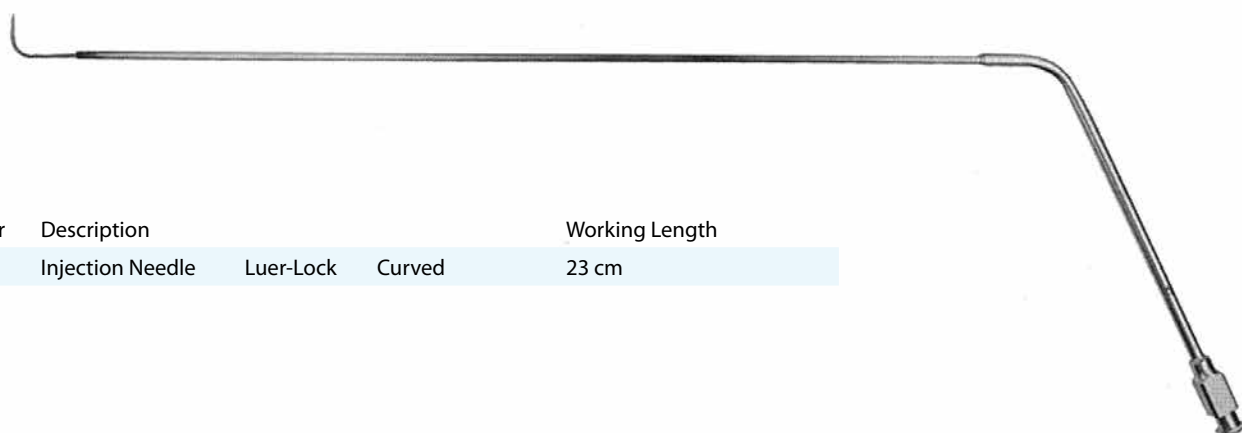


## ASPIRATION TUBE

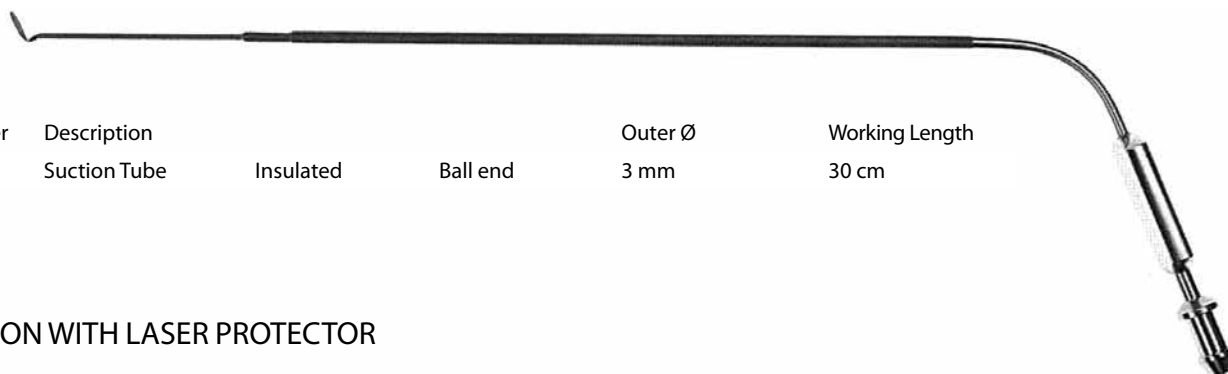
| Number | Description                                                                    |                   | Working Length |       |  |
|--------|--------------------------------------------------------------------------------|-------------------|----------------|-------|--|
| L32220 | Aspiration Tube with smooth oval shaped opening on each side of the velvet tip | Closed, blunt end | 3 mm Ø         | 22 cm |  |
| L32221 | Aspiration Tube with smooth oval shaped opening on each side of the velvet tip | Closed, blunt end | 4 mm Ø         | 22 cm |  |



| Number | Description      |           |                | Working Length |
|--------|------------------|-----------|----------------|----------------|
| L32130 | Injection Needle | Luer-Lock | Bayonet shaped | 23 cm          |



| Number | Description      |           |        | Working Length |
|--------|------------------|-----------|--------|----------------|
| L32131 | Injection Needle | Luer-Lock | Curved | 23 cm          |



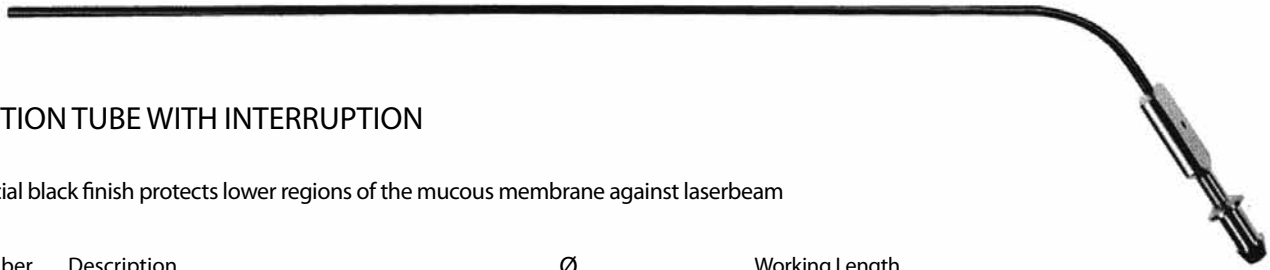
| Number | Description  | Insulated | Ball end | Outer Ø | Working Length |
|--------|--------------|-----------|----------|---------|----------------|
| L41230 | Suction Tube | Insulated | Ball end | 3 mm    | 30 cm          |

## SUCTION WITH LASER PROTECTOR

- Special black finish protects lower regions of the mucous membrane against laserbeam

| Number | Description                                                                                                                     |       |                |          |          | Working Length |
|--------|---------------------------------------------------------------------------------------------------------------------------------|-------|----------------|----------|----------|----------------|
| L41003 | Suction Tube with laser-protector and smoke evacuation channel                                                                  | Black | Round          | Upcurved | 3 mm Ø   | 23 cm          |
| L41004 | Suction Tube with laser-protector and smoke evacuation channel                                                                  | Black | Round          | Upcurved | 4 mm Ø   | 23 cm          |
| L41005 | Suction Tube with laser-protector and smoke evacuation channel                                                                  | Black | Round          | Upcurved | 5 mm Ø   | 23 cm          |
| L41007 | Suction Tube with laser-protector and smoke evacuation channel                                                                  | Black | Oval           | Upcurved | 7 mm Ø   | 23 cm          |
| L41009 | Suction Tube with laser-protector and smoke evacuation channel, distal suction hole left side                                   | Black | Oval           | Straight |          | 23 cm          |
| L41010 | Suction Tube with laser-protector and smoke evacuation channel, distal suction hole right side                                  | Black | Oval           | Straight |          | 23 cm          |
| L41011 | Suction Tube with laser-protector and smoke evacuation channel, distal suction hole left side                                   | Black | Corner Shaped  |          |          | 23 cm          |
| L41012 | Suction Tube with laser-protector and smoke evacuation channel, distal suction hole right side                                  | Black | Corner Shaped  |          |          | 23 cm          |
| L41013 | Suction Tube with laser-protector and smoke evacuation channel, distal suction hole left side                                   | Black | Bayonet Shaped |          |          | 23 cm          |
| L41014 | Suction Tube with laser-protector and smoke evacuation channel, distal suction hole left side                                   | Black | Bayonet Shaped |          |          | 23cm           |
| L41016 | Suction Tube with laser-protector and smoke evacuation channel for larynx and trachea                                           | Black | Upcurved       |          | 10x10 mm | 26 cm          |
| L41017 | Suction Tube with laser-protector and smoke evacuation channel for hypopharyngeal diverticulum, slightly upcurved and 7 mm wide | Black | Upcurved       |          | 10x10 mm | 23cm           |

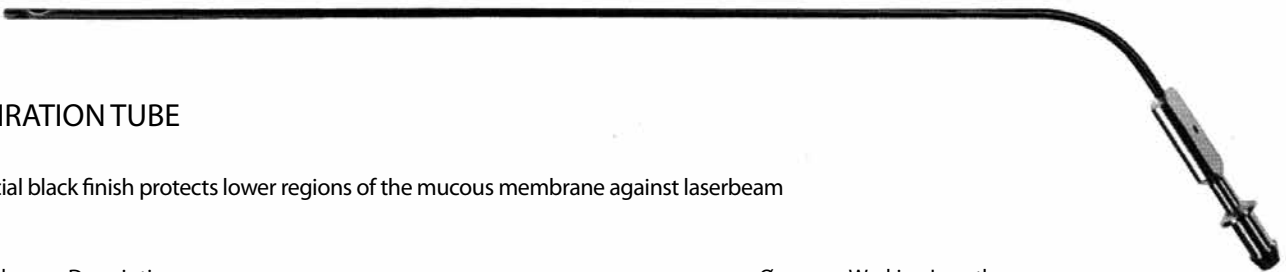




### SUCTION TUBE WITH INTERRUPTION

- Special black finish protects lower regions of the mucous membrane against laserbeam

| Number | Description                    |       | Ø      | Working Length |
|--------|--------------------------------|-------|--------|----------------|
| L41025 | Suction Tube with interruption | Black | 2.5 mm | 23 cm          |
| L41030 | Suction Tube with interruption | Black | 3 mm   | 23 cm          |



### ASPIRATION TUBE

- Special black finish protects lower regions of the mucous membrane against laserbeam

| Number | Description                                                                |       | Ø                 | Working Length |
|--------|----------------------------------------------------------------------------|-------|-------------------|----------------|
| L41033 | Aspiration Tube with smooth oval shaped opening on each side of velvet tip | Black | Closed, blunt end | 3 mm 22 cm     |



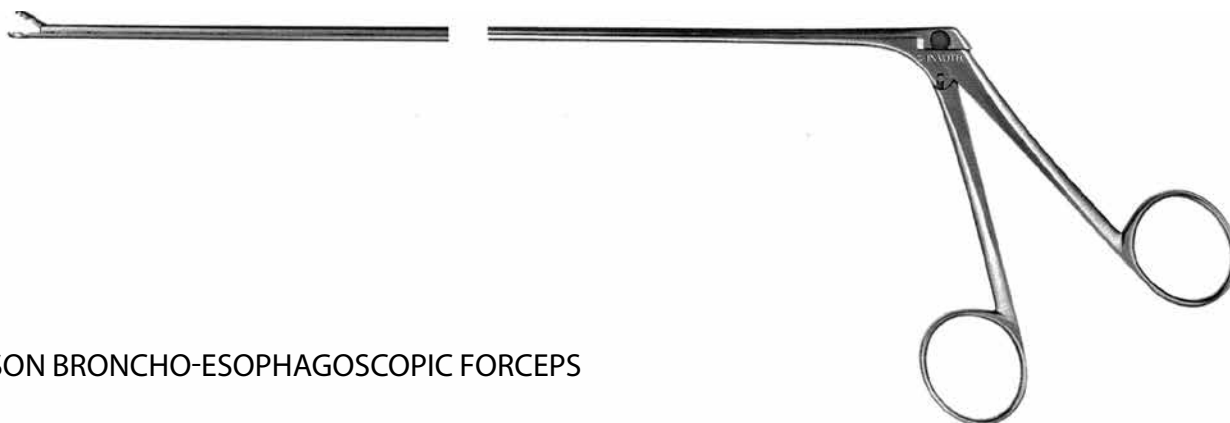
### INSULATED SUCTION

| Number | Description                               |          | Ø      | Working Length |
|--------|-------------------------------------------|----------|--------|----------------|
| L41130 | Insulated Suction and coagulation cannula | Unipolar | 3 mm Ø | 23 cm          |



### INSULATED SUCTION

| Number | Description  |           | Outer Ø  | Working Length |
|--------|--------------|-----------|----------|----------------|
| L41225 | Suction Tube | Insulated | Ball end | 2.5 mm 30 cm   |



## JACKSON BRONCHO-ESOPHAGOSCOPIC FORCEPS

### Single Action Jaws



Shaft Length

30 cm

L31304

L31305

L31306

2 mm Ø

L31312

4 mm Ø

L31313

40 cm

L31404

L31405

L31406

L31412

L31413

50 cm

L31504

L31505

L31506

L31512

L31513

60 cm

L31604

L31605

L31606

L31612

L31613



Shaft Length

30 cm

L31317

L31319

L31320

L31331

L31335

40 cm

L31417

L31419

L31420

L31431

L31435

50 cm

L31517

L31519

L31520

L31531

L31535

60 cm

L31617

L31619

L31620

L31631

L31635

### Double Action Jaws



Shaft Length

30 cm

L32304

L32306

L32314

L32320

L31331

L32335

40 cm

L32404

L32406

L32414

L32420

L32431

L32435

50 cm

L32504

L32506

L32514

L32520

L32531

L32535

60 cm

L32604

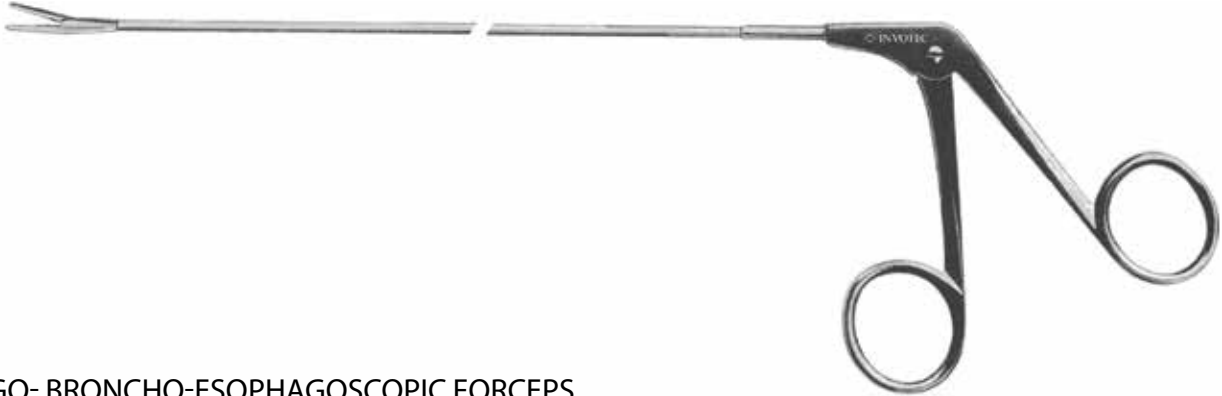
L32606

L32614

L32620

L32631

L32635



## LARYNGO- BRONCHO-ESOPHAGOSCOPIC FORCEPS

| Shaft Length |  |  |  |  |  |
|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 40 cm        | L40850                                                                            | L40862                                                                            | L40864                                                                            | L40866                                                                              | L40876                                                                              |
| 50 cm        | L50850                                                                            | L50862                                                                            | L50864                                                                            | L50866                                                                              | L50876                                                                              |
| 60 cm        | L60850                                                                            | L60862                                                                            | L60864                                                                            | L60866                                                                              | L60876                                                                              |

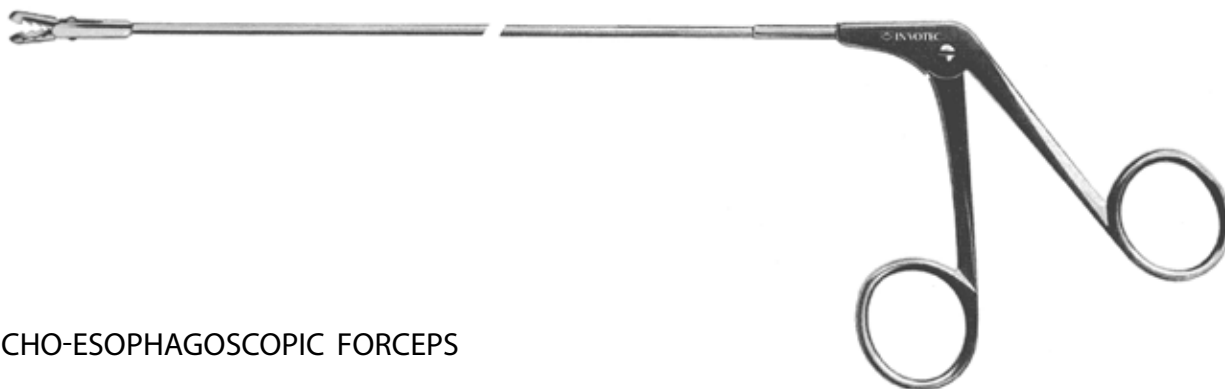
| Shaft Length |  |  |  |  |  |
|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 40 cm        | L40878                                                                              | L40879                                                                              | L40882                                                                              | L40884                                                                                | L40890                                                                                |
| 50 cm        | L50878                                                                              | L50879                                                                              | L50882                                                                              | L50884                                                                                | L50890                                                                                |
| 60 cm        | L60878                                                                              | L60879                                                                              | L60882                                                                              | L60884                                                                                | L60890                                                                                |

| Shaft Length |  |  |  |
|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 40 cm        | L40892                                                                              | L40894                                                                              | L40896                                                                              |
| 50 cm        | L50892                                                                              | L50894                                                                              | L50896                                                                              |
| 60 cm        | L60892                                                                              | L60894                                                                              | L60896                                                                              |

## Child Sizes

| Shaft Length |  |  |  |  |  |  |
|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 35 cm        | L35710                                                                              | L35730                                                                              | L35732                                                                              | L35790                                                                               | L35792                                                                                | L35793                                                                                |

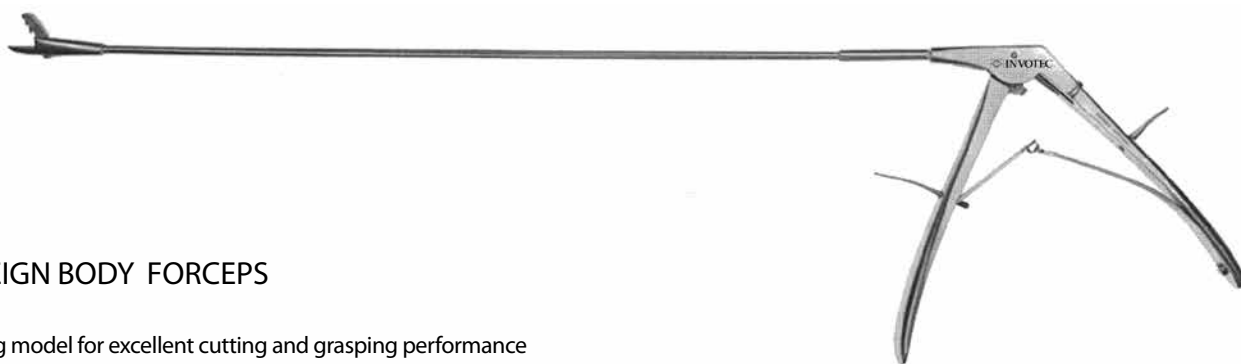
| Shaft Length |  |  |  |  |  |
|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 35 cm        | L35794                                                                              | L35796                                                                              | L35812                                                                              | L35814                                                                               | L35816                                                                                |



## BRONCHO-ESOPHAGOSCOPIC FORCEPS

- Double action jaws

|              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|              |  |  |  |  |
| Shaft Length | 1.5 mm Ø                                                                          | 1.5 mm Ø                                                                          | 1.5 mm Ø                                                                           | 1.5 mm Ø                                                                            |
| 25 cm        | L85125                                                                            | L85225                                                                            | L85325                                                                             | L85425                                                                              |
| 35 cm        | L85135                                                                            | L85235                                                                            | L85335                                                                             | L85435                                                                              |
| Shaft Length | 2.0 mm Ø                                                                          | 2.0 mm Ø                                                                          | 2.0 mm Ø                                                                           | 2.0 mm Ø                                                                            |
| 35 cm        | L85140                                                                            | L85240                                                                            | L85340                                                                             | L85440                                                                              |
| Shaft Length | 2.5 mm Ø                                                                          | 2.5 mm Ø                                                                          | 2.5 mm Ø                                                                           | 2.5 mm Ø                                                                            |
| 55 cm        | L85150                                                                            | L85250                                                                            | L85350                                                                             | L85450                                                                              |



## FOREIGN BODY FORCEPS

- Strong model for excellent cutting and grasping performance
- Cuts up to 1.2mm Ø wires

|              |          |
|--------------|----------|
| Shaft Length | 2.5 mm Ø |
| 35 cm        | L85535   |
| 45 cm        | L85545   |

## FLEXIBLE ENDOSCOPY



- Stainless steel
- Spiral of highest flexibility
- Solidly constructed handles
- Autoclavable by all the conventional methods

|                         |        |        |        |        |        |
|-------------------------|--------|--------|--------|--------|--------|
| Serrated                | 90 cm  | 120 cm | 150 cm | 180 cm | 230 cm |
| 1.8 mm Ø                | L47005 | L47025 | L47055 | L47085 | L47095 |
| 2.3 mm Ø                | L47007 | L47027 | L47057 | L47087 | L47097 |
| 2x2 Teeth               | 90 cm  | 120 cm | 150 cm | 180 cm | 230 cm |
| 1.8 mm Ø                | L47205 | L47225 | L47255 | L47285 | L47295 |
| 2.3 mm Ø                | L47207 | L47227 | L47257 | L47287 | L47297 |
| Three Clawed            | 90 cm  | 120 cm | 150 cm | 180 cm | 230 cm |
| 1.8 mm Ø                | L47305 | L47325 | L47355 | L47385 | L47395 |
| 2.3 mm Ø                | L47307 | L47327 | L47357 | L47387 | L47397 |
| 1x2 Teeth               | 90 cm  | 120 cm | 150 cm | 180 cm | 230 cm |
| 1.8 mm Ø                | L47605 | L47625 | L47655 | L47685 | L47695 |
| 2.3 mm Ø                | L47607 | L47627 | L47657 | L47687 | L47697 |
| Pike Teeth              | 90 cm  | 120 cm | 150 cm | 180 cm | 230 cm |
| 1.8 mm Ø                | L47805 | L47825 | L47855 | L47885 | L47895 |
| 2.3 mm Ø                | L47807 | L47827 | L47857 | L47887 | L47897 |
| Serrated Cup Jaws       | 90 cm  | 120 cm | 150 cm | 180 cm | 230 cm |
| 1.8 mm Ø                | L47905 | L47925 | L47955 | L47985 | L47995 |
| 2.3 mm Ø                | L47907 | L47927 | L47957 | L47987 | L47997 |
| Round Cup Jaws          | 90 cm  | 120 cm | 150 cm | 180 cm | 230 cm |
| 1.8 mm Ø                | L48005 | L48025 | L48055 | L48085 | L48095 |
| 2.3 mm Ø                | L48007 | L48027 | L48057 | L48087 | L48097 |
| Round Cup Jaws with Pin | 90 cm  | 120 cm | 150 cm | 180 cm | 230 cm |
| 2.3 mm Ø                | L48107 | L48127 | L48157 | L48187 | L48197 |
| Oval Cup Jaws           | 90 cm  | 120 cm | 150 cm | 180 cm | 230 cm |
| 1.8 mm Ø                | L48205 | L48225 | L48255 | L48285 | L48295 |
| 2.3 mm Ø                | L48207 | L48227 | L48257 | L48287 | L48297 |
| Oval Cup Jaws with Pin  | 90 cm  | 120 cm | 150 cm | 180 cm | 230 cm |
| 2.3 mm Ø                | L48307 | L48327 | L48357 | L48387 | L48397 |
| 1 Blade Serrated        | 90 cm  | 120 cm | 150 cm | 180 cm | 230 cm |
| 2.3 mm Ø                | L48807 | L48827 | L48857 | L48887 | L48897 |





| Number | Description        |          | Working Length |
|--------|--------------------|----------|----------------|
| L18035 | Rigid Suction Tube | 2.5 mm Ø | 25 cm          |
| L18050 | Rigid Suction Tube | 4 mm Ø   | 50 cm          |

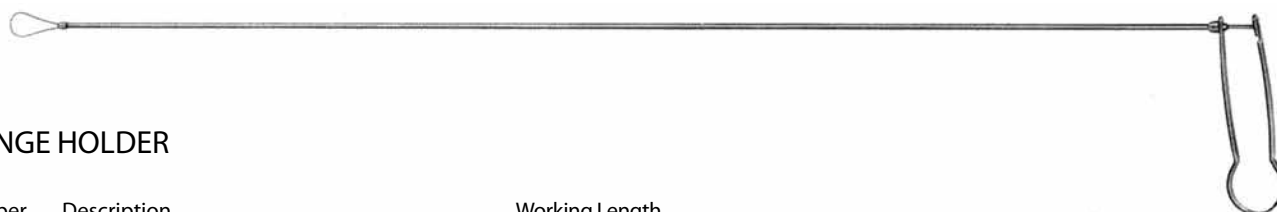


| Number | Description                                 |  | Working Length |
|--------|---------------------------------------------|--|----------------|
| L18135 | Rigid Suction Tube with flexible rubber tip |  | 35 cm          |
| L18150 | Rigid Suction Tube with flexible rubber tip |  | 50 cm          |



## COTTON CARRIERS

| Number | Description    | Working Length |
|--------|----------------|----------------|
| L18335 | Cotton Carrier | 35 cm          |
| L18350 | Cotton Carrier | 50 cm          |



## SPONGE HOLDER

| Number | Description               | Working Length |
|--------|---------------------------|----------------|
| L18440 | Sponge Holder 1 x 2 teeth | 38 cm          |

## TEETH PROTECTORS

- Can also be used as inlet for metal teeth protector (non-autoclavable)

| Number | Description             |
|--------|-------------------------|
| L96050 | Plastic Teeth Protector |



## LA FORCE ADENOTOME

| Number | Description           |        | Working Length |
|--------|-----------------------|--------|----------------|
| L11110 | Adenotome by La Force | Size 0 | 23.5 cm        |
| L11111 | Adenotome by La Force | Size 1 | 23.5 cm        |
| L11112 | Adenotome by La Force | Size 2 | 23.5 cm        |
| L11113 | Adenotome by La Force | Size 3 | 23.5 cm        |



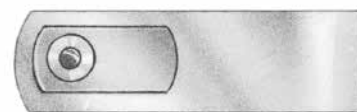
## SHAMBAUGH ADENOTOME

| Number | Description            |        | Working Length |
|--------|------------------------|--------|----------------|
| L11150 | Adenotome by Shambaugh | Size 0 | 23.5 cm        |
| L11151 | Adenotome by Shambaugh | Size 1 | 23.5 cm        |
| L11152 | Adenotome by Shambaugh | Size 2 | 23.5 cm        |
| L11153 | Adenotome by Shambaugh | Size 3 | 23.5 cm        |



## ADENOTOME REPLACEMENT BLADES

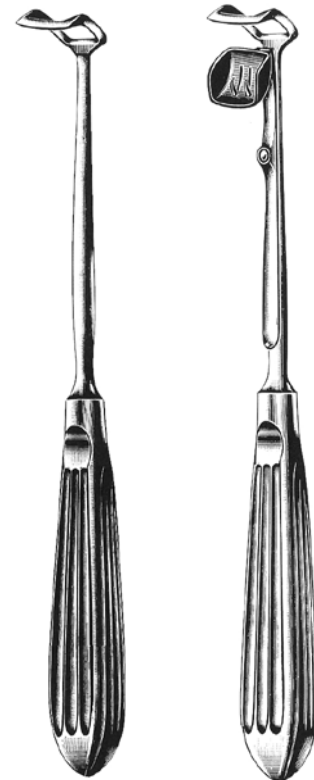
| Number | Description        |        | Length |
|--------|--------------------|--------|--------|
| L11190 | Replacement blades | Size 0 | 10mm   |
| L11191 | Replacement blades | Size 1 | 13 mm  |
| L11192 | Replacement blades | Size 2 | 16 mm  |
| L11193 | Replacement blades | Size 3 | 19 mm  |



## BECKMANN ADENOID CURETTE

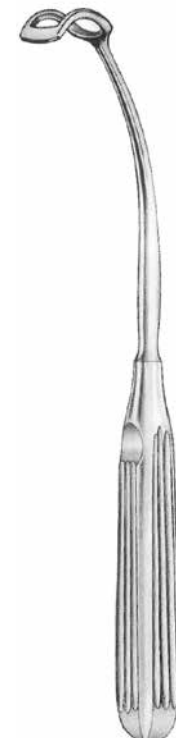
| Number | Description           |        |          | Blade Width | Overall Length |
|--------|-----------------------|--------|----------|-------------|----------------|
| L40200 | Reverse Curve Curette | Size 0 | Straight | 10.5 mm     | 22 cm          |
| L40201 | Reverse Curve Curette | Size 1 | Straight | 13 mm       | 22 cm          |
| L40202 | Reverse Curve Curette | Size 2 | Straight | 14.5 mm     | 22 cm          |
| L40203 | Reverse Curve Curette | Size 3 | Straight | 16 mm       | 22 cm          |
| L40204 | Reverse Curve Curette | Size 4 | Straight | 18 mm       | 22 cm          |
| L40205 | Reverse Curve Curette | Size 5 | Straight | 20.5 mm     | 22 cm          |

| Number | Description                       |        |          | Blade Width | Overall Length |
|--------|-----------------------------------|--------|----------|-------------|----------------|
| L13460 | Reverse Curve Curette with basket | Size 1 | Straight | 10 mm       | 22 cm          |
| L13461 | Reverse Curve Curette with basket | Size 2 | Straight | 11 mm       | 22 cm          |
| L13462 | Reverse Curve Curette with basket | Size 3 | Straight | 12 mm       | 22 cm          |
| L13463 | Reverse Curve Curette with basket | Size 4 | Straight | 13 mm       | 22 cm          |
| L13465 | Reverse Curve Curette with basket | Size 5 | Straight | 15 mm       | 22 cm          |
| L13466 | Reverse Curve Curette with basket | Size 6 | Straight | 16 mm       | 22 cm          |



## SHAMBAUGH ADENOID CURETTE

| Number | Description     |        |                  | Blade Width | Overall Length |
|--------|-----------------|--------|------------------|-------------|----------------|
| L14710 | Adenoid Curette | Size 0 | Curved backwards | 10 mm       | 22 cm          |
| L14712 | Adenoid Curette | Size 2 | Curved backwards | 12 mm       | 22 cm          |
| L14714 | Adenoid Curette | Size 3 | Curved backwards | 13 mm       | 22 cm          |
| L14716 | Adenoid Curette | Size 4 | Curved backwards | 15 mm       | 22 cm          |
| L14718 | Adenoid Curette | Size 5 | Curved backwards | 16 mm       | 22 cm          |





### ST. CLAIR-THOMSON ADENOID CURETTE

| Number | Description                       |        |          | Blade Width | Overall Length |
|--------|-----------------------------------|--------|----------|-------------|----------------|
| L40300 | Reverse Curve Curette with basket | Size 0 | Straight | 10.5 mm     | 22 cm          |
| L40301 | Reverse Curve Curette with basket | Size 1 | Straight | 13 mm       | 22 cm          |
| L40302 | Reverse Curve Curette with basket | Size 2 | Straight | 14.5 mm     | 22 cm          |
| L40303 | Reverse Curve Curette with basket | Size 3 | Straight | 16.5 mm     | 22 cm          |
| L40304 | Reverse Curve Curette with basket | Size 4 | Straight | 18 mm       | 22 cm          |
| L40305 | Reverse Curve Curette with basket | Size 5 | Straight | 20.5 mm     | 22 cm          |



### BARNHILL ADENOID CURETTE

| Number | Description     |        |        | Blade Width | Overall Length |
|--------|-----------------|--------|--------|-------------|----------------|
| L40400 | Adenoid Curette | Size 0 | Curved | 10.5 mm     | 21.5 cm        |
| L40401 | Adenoid Curette | Size 1 | Curved | 13 mm       | 21.5 cm        |
| L40402 | Adenoid Curette | Size 2 | Curved | 14.5 mm     | 21.5 cm        |
| L40403 | Adenoid Curette | Size 3 | Curved | 16.5 mm     | 21.5 cm        |
| L40404 | Adenoid Curette | Size 4 | Curved | 18 mm       | 21.5 cm        |



### JONES ADENOID CURETTE

| Number | Description     |        |          | Blade Width | Overall Length |
|--------|-----------------|--------|----------|-------------|----------------|
| L40701 | Adenoid Curette | Infant | Straight | 4 mm        | 22.5 cm        |
| L40702 | Adenoid Curette | Child  | Straight | 6 mm        | 22.5 cm        |
| L40703 | Adenoid Curette | Adult  | Straight | 8 mm        | 22.5 cm        |



### VOGEL ADENOID CURETTE

| Number | Description     |        |        |           | Blade Width | Overall Length |
|--------|-----------------|--------|--------|-----------|-------------|----------------|
| L40800 | Adenoid Curette | Infant | Curved | 9 x 12 mm | 7 mm        | 21.5 cm        |



### MIDDLETON ADENOID CURRETTE

| Number | Description                     |            | Blade Width | Overall Length |
|--------|---------------------------------|------------|-------------|----------------|
| L40850 | Long and Narrow Adenoid Curette | 25 x 10 mm | 7 mm        | 22.5 cm        |



### STUBBS ADENOID CURRETTE

| Number | Description                          |        |        | Blade Width | Overall Length |
|--------|--------------------------------------|--------|--------|-------------|----------------|
| L40900 | Adenoid Curette with angulated shaft | Size 0 | Curved | 11 mm       | 22 cm          |
| L40901 | Adenoid Curette with angulated shaft | Size 1 | Curved | 14 mm       | 22 cm          |
| L40902 | Adenoid Curette with angulated shaft | Size 2 | Curved | 16 mm       | 22 cm          |
| L40903 | Adenoid Curette with angulated shaft | Size 3 | Curved | 18 mm       | 22 cm          |



### BECKMANN DISPOSIBLE ADENOID CURRETTE

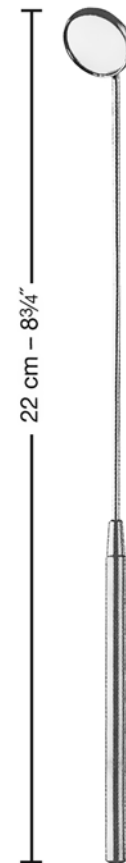
- Sterile

| Number  | Description                    |        |          | Blade Width | Overall Length |
|---------|--------------------------------|--------|----------|-------------|----------------|
| 25-2110 | Adenoid Curette without basket | Size 1 | Straight | 10 mm       | 22 cm          |
| 25-2120 | Adenoid Curette without basket | Size 2 | Straight | 11 mm       | 22 cm          |
| 25-2130 | Adenoid Curette without basket | Size 3 | Straight | 12 mm       | 22 cm          |
| 25-2140 | Adenoid Curette without basket | Size 4 | Straight | 13 mm       | 22 cm          |

## LARYNGEAL MIRROR ON HANDLE

- Autoclavable
- Stainless Steel

| Number | Description               | Size | Diameter |
|--------|---------------------------|------|----------|
| L34806 | Mirror attached on handle | 000  | 6 mm     |
| L34808 | Mirror attached on handle | 00   | 8 mm     |
| L34810 | Mirror attached on handle | 0    | 10 mm    |
| L34812 | Mirror attached on handle | 1    | 12 mm    |
| L34814 | Mirror attached on handle | 2    | 14 mm    |
| L34816 | Mirror attached on handle | 3    | 16 mm    |
| L34818 | Mirror attached on handle | 4    | 18 mm    |
| L34820 | Mirror attached on handle | 5    | 20 mm    |
| L34822 | Mirror attached on handle | 6    | 22 mm    |
| L34824 | Mirror attached on handle | 7    | 24 mm    |
| L34826 | Mirror attached on handle | 8    | 26 mm    |
| L34828 | Mirror attached on handle | 9    | 28 mm    |
| L34830 | Mirror attached on handle | 10   | 30 mm    |



## LARYNGEAL MIRROR AND HANDLE

- Autoclavable
- Stainless Steel
- For use with octagonal handle L53700

| Number | Description                | Size | Diameter |
|--------|----------------------------|------|----------|
| L53620 | Mirror with threaded shaft | 00   | 8 mm     |
| L53600 | Mirror with threaded shaft | 0    | 10 mm    |
| L53601 | Mirror with threaded shaft | 1    | 12 mm    |
| L53602 | Mirror with threaded shaft | 2    | 14 mm    |
| L53603 | Mirror with threaded shaft | 3    | 16 mm    |
| L53604 | Mirror with threaded shaft | 4    | 18 mm    |
| L53605 | Mirror with threaded shaft | 5    | 20 mm    |
| L53606 | Mirror with threaded shaft | 6    | 22 mm    |
| L53607 | Mirror with threaded shaft | 7    | 24 mm    |
| L53608 | Mirror with threaded shaft | 8    | 26 mm    |
| L53609 | Mirror with threaded shaft | 9    | 28 mm    |
| L53610 | Mirror with threaded shaft | 10   | 30 mm    |

| Number | Description                                                   | Overall Length |
|--------|---------------------------------------------------------------|----------------|
| L53700 | Octagonal mirror handle<br>For use with mirrors L53600-L53620 | 75 mm          |



## RHODIUM LARYNGEAL MIRROR AND HANDLE

- Autoclavable
- Stainless Steel
- For use with octagonal handle L54100

| Number | Description                               | Size | Diameter |
|--------|-------------------------------------------|------|----------|
| L54320 | Rhodium plated mirror with standard shaft | 00   | 8 mm     |
| L54300 | Rhodium plated mirror with standard shaft | 0    | 10 mm    |
| L54301 | Rhodium plated mirror with standard shaft | 1    | 12 mm    |
| L54302 | Rhodium plated mirror with standard shaft | 2    | 14 mm    |
| L54303 | Rhodium plated mirror with standard shaft | 3    | 16 mm    |
| L54304 | Rhodium plated mirror with standard shaft | 4    | 18 mm    |
| L54305 | Rhodium plated mirror with standard shaft | 5    | 20 mm    |
| L54306 | Rhodium plated mirror with standard shaft | 6    | 22 mm    |
| L54307 | Rhodium plated mirror with standard shaft | 7    | 24 mm    |
| L54308 | Rhodium plated mirror with standard shaft | 8    | 26 mm    |
| L54309 | Rhodium plated mirror with standard shaft | 9    | 28 mm    |
| L54310 | Rhodium plated mirror with standard shaft | 10   | 30 mm    |

| Number | Description                                                                    | Overall Length |
|--------|--------------------------------------------------------------------------------|----------------|
| L54100 | Octagonal, stainless steel mirror handle<br>For use with mirrors L53600-L54320 | 75 mm          |



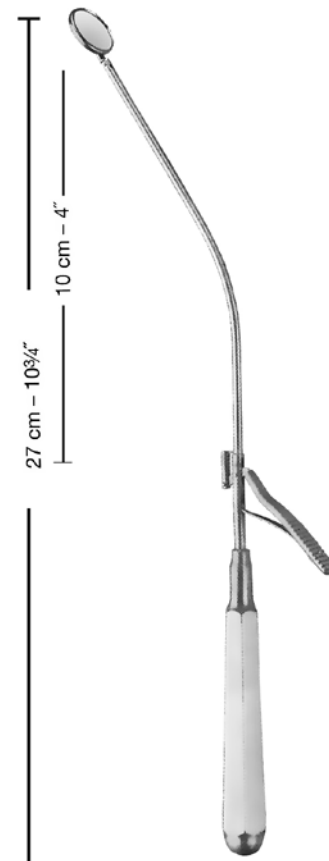
## MICHEL RHINOSCOPIC MIRROR WITH HANDLE

- Autoclavable
- Stainless Steel
- Thumb mirror orientation control

| Number | Description               | Size | Diameter | Length |
|--------|---------------------------|------|----------|--------|
| L54110 | Michel Mirror with handle | 0    | 10 mm    | 29 mm  |
| L54112 | Michel Mirror with handle | 1    | 12 mm    | 29 mm  |
| L54114 | Michel Mirror with handle | 2    | 14 mm    | 29 mm  |
| L54116 | Michel Mirror with handle | 3    | 16 mm    | 29 mm  |
| L54118 | Michel Mirror with handle | 4    | 18 mm    | 29 mm  |

### Spare Mirrors for Michel Rhinoscopic Mirror with Handle

| Number | Description                                 | Size | Diameter |
|--------|---------------------------------------------|------|----------|
| L54120 | Spare Mirror for Michel Rhinoscopic Mirrors | 0    | 10 mm    |
| L54122 | Spare Mirror for Michel Rhinoscopic Mirrors | 1    | 12 mm    |
| L54124 | Spare Mirror for Michel Rhinoscopic Mirrors | 2    | 14 mm    |
| L54126 | Spare Mirror for Michel Rhinoscopic Mirrors | 3    | 16 mm    |
| L54128 | Spare Mirror for Michel Rhinoscopic Mirrors | 4    | 18 mm    |



## JENNINGS MOUTH GAG

- Stainless Steel

| Number | Description           |           | Working Length |
|--------|-----------------------|-----------|----------------|
| N20009 | Mouth Gag by Jennings | Open type | 9 cm           |
| N20011 | Mouth Gag by Jennings | Open type | 11 cm          |
| N20013 | Mouth Gag by Jennings | Open type | 13 cm          |

| Number | Description           |               | Working Length |
|--------|-----------------------|---------------|----------------|
| N23009 | Mouth Gag by Jennings | Standard type | 9 cm           |
| N23011 | Mouth Gag by Jennings | Standard type | 11 cm          |
| N23013 | Mouth Gag by Jennings | Standard type | 13 cm          |
| N23015 | Mouth Gag by Jennings | Standard type | 15 cm          |



## HEISTER MOUTH GAG

| Number | Description          | Working Length |
|--------|----------------------|----------------|
| N20505 | Mouth Gag by Heister | 13 cm          |



## MOLT MOUTH GAG

| Number | Description       |            | Working Length |
|--------|-------------------|------------|----------------|
| N20510 | Mouth Gag by Molt | Child Size | 10 cm          |
| N20515 | Mouth Gag by Molt | Adult Size | 15 cm          |



## ROSER KÖNIG MOUTH GAG

| Number | Description              | Working Length |
|--------|--------------------------|----------------|
| N20545 | Mouth Gag by Roser König | 16 cm          |



## DENHART MOUTH GAG

| Number | Description          | Working Length |
|--------|----------------------|----------------|
| N20560 | Mouth Gag by Denhart | 13 cm          |



## WHITEHEAD MOUTH GAG

| Number | Description            | Working Length |
|--------|------------------------|----------------|
| N20729 | Mouth Gag by Whitehead | 9 cm           |
| N20731 | Mouth Gag by Whitehead | 11 cm          |
| N20733 | Mouth Gag by Whitehead | 13 cm          |
| N20735 | Mouth Gag by Whitehead | 15 cm          |



## DINGMAN MOUTH GAG

- Stainless Steel

| Number | Description                                                                                                                                                                                         |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N20800 | Dingman Mouth Gag Complete Set including:<br>Frame with 4 spiral springs for the suspension of the thread ends, 2 Movable Tooth Hooks, 2 Cheek Retractors, and 3 Tongue Depressors (1 of each #1-3) |
| N20820 | Dingman Mouth Gag Frame with 4 spiral springs for the suspension of the thread ends, 2 Movable Tooth Hooks and 2 Cheek Retractors                                                                   |



## DINGMAN TONGUE DEPRESSORS

| Number | Description      | Size   | Working Length |
|--------|------------------|--------|----------------|
| N20811 | Tongue Depressor | Size 1 | 55 x 25 mm     |
| N20812 | Tongue Depressor | Size 2 | 60 x 27 mm     |
| N20813 | Tongue Depressor | Size 3 | 70 x 30 mm     |



## SEEMANN-SEIFFERT MOUTH GAG

- Stainless Steel

| Number | Description                                  | Size          | Working Length |
|--------|----------------------------------------------|---------------|----------------|
| N22009 | Self retaining Mouth Gag by Seemann-Seiffert | Small / Child | 9 cm           |
| N22011 | Self retaining Mouth Gag by Seemann-Seiffert | Standard      | 11 cm          |
| N22013 | Self retaining Mouth Gag by Seemann-Seiffert | Large         | 13 cm          |
| N20755 | Self retaining Mouth Gag by Seemann-Seiffert | X-Large       | 15 cm          |

| Number | Description                                  | Working Length |
|--------|----------------------------------------------|----------------|
| N24011 | Standard Model Mouth Gag by Seemann-Seiffert | 11 cm          |
| N24013 | Standard Model Mouth Gag by Seemann-Seiffert | 13 cm          |



## DAVIS-BOYLE MOUTH GAG

- Stainless Steel

| Number | Description                                        |
|--------|----------------------------------------------------|
| N26000 | Left frame for Mouth Gag by Davis-Boyle            |
| N26200 | Right Frame for Mouth Gag by Davis-Boyle           |
| N26300 | Left frame for Mouth Gag by Davis-Boyle Child size |

| Number | Description                                                                |
|--------|----------------------------------------------------------------------------|
| N26010 | Silicone Bit Liners Removable for Davis-Boyle Autoclavable (Sold in pairs) |



## DAVIS-BOYLE TONGUE DEPRESSOR

- Stainless Steel

| Number | Description                                                           | Length  |
|--------|-----------------------------------------------------------------------|---------|
| N26001 | Tongue Depressor by Davis-Boyle with smooth blades Size 1 20 x 30 mm  | 13.5 cm |
| N26002 | Tongue Depressor by Davis-Boyle with smooth blades Size 2 23 x 65 mm  | 13.5 cm |
| N26003 | Tongue Depressor by Davis-Boyle with smooth blades Size 3 24 x 80 mm  | 13.5 cm |
| N26004 | Tongue Depressor by Davis-Boyle with smooth blades Size 4 25 x 93 mm  | 13.5 cm |
| N26005 | Tongue Depressor by Davis-Boyle with smooth blades Size 5 26 x 108 mm | 13.5 cm |

| Number | Description                                                                                | Length  |
|--------|--------------------------------------------------------------------------------------------|---------|
| N26102 | Tongue Depressor by Davis-Boyle with anaesthetic tube and smooth blades Size 2 23 x 65 mm  | 13.5 cm |
| N26103 | Tongue Depressor by Davis-Boyle with anaesthetic tube and smooth blades Size 3 24 x 80 mm  | 13.5 cm |
| N26104 | Tongue Depressor by Davis-Boyle with anaesthetic tube and smooth blades Size 4 25 x 93 mm  | 13.5 cm |
| N26105 | Tongue Depressor by Davis-Boyle with anaesthetic tube and smooth blades Size 5 26 x 108 mm | 13.5 cm |

| Number | Description                                                                       | Length |
|--------|-----------------------------------------------------------------------------------|--------|
| N26301 | Tongue Depressor by Davis-Boyle for Children with smooth blades Size 1 17 x 30 mm | 9.8 cm |
| N26302 | Tongue Depressor by Davis-Boyle for Children with smooth blades Size 2 19 x 45 mm | 9.8 cm |
| N26303 | Tongue Depressor by Davis-Boyle for Children with smooth blades Size 3 20 x 60 mm | 9.8 cm |
| N26304 | Tongue Depressor by Davis-Boyle for Children with smooth blades Size 4 22 x 70 mm | 9.8 cm |
| N26305 | Tongue Depressor by Davis-Boyle for Children with smooth blades Size 5 22 x 80 mm | 9.8 cm |



## MCIVOR MOUTH GAG

- Stainless Steel

| Number | Description                                                                  |
|--------|------------------------------------------------------------------------------|
| N25000 | Frame for Mouth Gag by Mclvor for use with tongue depressors N25001 - N25003 |

| Number | Description                       | Rod Length  |
|--------|-----------------------------------|-------------|
| N25001 | Tongue Depressor by Mclvor Size 1 | 23 x 70 mm  |
| N25002 | Tongue Depressor by Mclvor Size 2 | 25 x 86 mm  |
| N25003 | Tongue Depressor by Mclvor Size 3 | 26 x 100 mm |



## KILNER-DOUGHTY MOUTH GAG

- Stainless Steel

| Number | Description                                      |
|--------|--------------------------------------------------|
| N27000 | Left frame for Mouth Gag by Kilner-Doughty       |
| N27010 | Palate Support for toothless patients for N27000 |



## RUSSEL-DAVIS MOUTH TONGUE DEPRESSOR

- Stainless Steel

| Number | Description                                           | Size   | Length      |
|--------|-------------------------------------------------------|--------|-------------|
| N27001 | Tongue Depressor by Russel-Davis with central channel | Size 1 | 28 x 65 mm  |
| N27002 | Tongue Depressor by Russel-Davis with central channel | Size 2 | 32 x 72 mm  |
| N27003 | Tongue Depressor by Russel-Davis with central channel | Size 3 | 37 x 80 mm  |
| N27004 | Tongue Depressor by Russel-Davis with central channel | Size 4 | 41 x 94 mm  |
| N27005 | Tongue Depressor by Russel-Davis with central channel | Size 5 | 46 x 103 mm |

| Number | Description                                                              | Size   | Length      |
|--------|--------------------------------------------------------------------------|--------|-------------|
| N28601 | Tongue Depressor by Russel-Davis with central channel and lateral outlet | Size 1 | 28 x 65 mm  |
| N28602 | Tongue Depressor by Russel-Davis with central channel and lateral outlet | Size 2 | 32 x 72 mm  |
| N28603 | Tongue Depressor by Russel-Davis with central channel and lateral outlet | Size 3 | 37 x 80 mm  |
| N28604 | Tongue Depressor by Russel-Davis with central channel and lateral outlet | Size 4 | 41 x 94 mm  |
| N28605 | Tongue Depressor by Russel-Davis with central channel and lateral outlet | Size 5 | 46 x 103 mm |



## WUERZBURG MODEL TONGUE DEPRESSOR

- Stainless Steel

| Number | Description                      |        |             |
|--------|----------------------------------|--------|-------------|
| N28001 | Wuerzburg Model Tongue Depressor | Size 1 | 28 x 66 mm  |
| N28002 | Wuerzburg Model Tongue Depressor | Size 2 | 32 x 75 mm  |
| N28003 | Wuerzburg Model Tongue Depressor | Size 3 | 34 x 83 mm  |
| N28004 | Wuerzburg Model Tongue Depressor | Size 4 | 37 x 93 mm  |
| N28005 | Wuerzburg Model Tongue Depressor | Size 5 | 38 x 100 mm |



## RING TONGUE DEPRESSOR

- Stainless Steel

| Number | Description                 |        |            |
|--------|-----------------------------|--------|------------|
| N28202 | Left Ring Tongue Depressor  | Size 2 | 23 x 58 mm |
| N28302 | Right Ring Tongue Depressor |        |            |
| N28203 | Left Ring Tongue Depressor  | Size 3 | 27 x 72 mm |
| N28303 | Right Ring Tongue Depressor |        |            |
| N28204 | Left Ring Tongue Depressor  | Size 4 | 34 x 87 mm |
| N28304 | Right Ring Tongue Depressor |        |            |
| N28205 | Left Ring Tongue Depressor  | Size 5 | 37 x 95 mm |
| N28305 | Right Ring Tongue Depressor |        |            |



## DAVIS-MEYER TONGUE DEPRESSOR

- Stainless Steel

| Number | Description                                                         |        |               |
|--------|---------------------------------------------------------------------|--------|---------------|
| N28401 | Tongue Depressor by Davis-Meyer with anesthetic tubes on both sides | Size 1 | 29.0 x 70 mm  |
| N28402 | Tongue Depressor by Davis-Meyer with anesthetic tubes on both sides | Size 2 | 30.5 x 75 mm  |
| N28403 | Tongue Depressor by Davis-Meyer with anesthetic tubes on both sides | Size 3 | 31.5 x 80 mm  |
| N28404 | Tongue Depressor by Davis-Meyer with anesthetic tubes on both sides | Size 4 | 32.5 x 85 mm  |
| N28405 | Tongue Depressor by Davis-Meyer with anesthetic tubes on both sides | Size 5 | 33.5 x 95 mm  |
| N28406 | Tongue Depressor by Davis-Meyer with anesthetic tubes on both sides | Size 6 | 33.8 x 100 mm |
| N28407 | Tongue Depressor by Davis-Meyer with anesthetic tubes on both sides | Size 7 | 34.0 x 105 mm |



## DRAFFIN SUSPENSION APPARATUS BIPOD

| Number | Description                                                                   |
|--------|-------------------------------------------------------------------------------|
| N24820 | Suspension Apparatus Bipod by Draffin for use with Mouth Gags N25000 - N28400 |
| N24810 | Chain with ring to suspend the mouth gag at the frame N24880                  |



## NEGUS CHEST SUPPORT

| Number | Description                                               | Rod Length |
|--------|-----------------------------------------------------------|------------|
| N29000 | Chest Support by Negus with band N29001 Adult Size        | 14 cm      |
| N29100 | Chest Support by Negus with band N29001 Child Size        | 8.5 cm     |
| N29001 | Chest Support by Negus with band only for N29000 & N29100 | 13 cm      |



## WUERZURG CHEST SUPPORT

| Number | Description                |
|--------|----------------------------|
| N29200 | Chest Support by Wuerzburg |



## TOOTH GUARD

| Number | Description                                | Diameter |
|--------|--------------------------------------------|----------|
| N20410 | Wooden Tooth Guard Pyramid Shaped Serrated | 40 mm    |



| Number | Description                               | Diameter |
|--------|-------------------------------------------|----------|
| N20420 | Latex Tooth Guard Pyramid Shaped Serrated | 40 mm    |



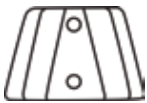
| Number | Description                                 | Diameter |
|--------|---------------------------------------------|----------|
| N20450 | Latex Tooth Guard with Supply Chain Grooved | 40 mm    |



## MCKESSON MOUTH PROP

• Set of 2

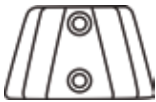
| Number | Description                     |          |             |
|--------|---------------------------------|----------|-------------|
| N21001 | Silicone Mouth Prop with airway | Serrated | Small child |
| N21002 | Silicone Mouth Prop with airway | Serrated | Child       |
| N21003 | Silicone Mouth Prop with airway | Serrated | Adult       |



N21001



N21002

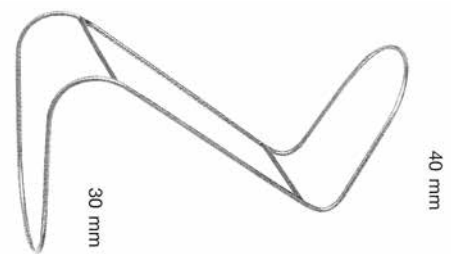


N21003



## OBWEGESER RETRACTOR

| Number | Description               |                 | Length |
|--------|---------------------------|-----------------|--------|
| L20217 | Obwegeser Cheek Retractor | Stainless Steel | 10 cm  |



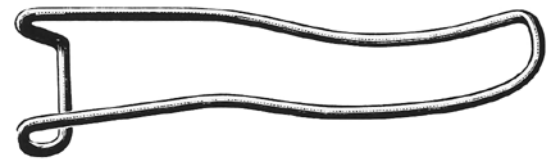
## UNIVERSITY OF MINNESOTA RETRACTOR

| Number | Description                                        |                 | Length |
|--------|----------------------------------------------------|-----------------|--------|
| L20210 | University of Minnesota Tongue and Cheek Retractor | Stainless Steel | 14 cm  |



## STERNBERG RETRACTOR

| Number | Description                               |                 | Length  |
|--------|-------------------------------------------|-----------------|---------|
| L20215 | Sternberg Cheek, Lip and Tongue Retractor | Stainless Steel | 14.5 cm |



## SHUMAN RETRACTOR

| Number | Description                       |                 | Length |
|--------|-----------------------------------|-----------------|--------|
| L20225 | Shuman Cheek and Tongue Retractor | Stainless Steel | 19 cm  |



## RING RETRACTOR

| Number | Description          |                 |
|--------|----------------------|-----------------|
| L20245 | Cheek Ring Retractor | Stainless Steel |



## LOVE UVULA RETRACTOR

- Stainless Steel

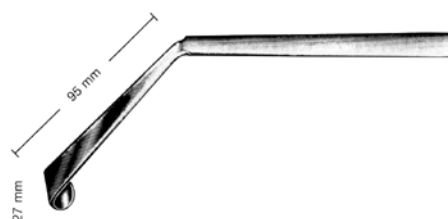
| Number | Description          | Width | Working Length |
|--------|----------------------|-------|----------------|
| N16318 | Love Uvula Retractor | 18 mm | 15 cm          |
| N16320 | Love Uvula Retractor | 20 mm | 15 cm          |
| N16322 | Love Uvula Retractor | 22 mm | 15 cm          |



## GOODYEAR UVULA RETRACTOR

- Stainless Steel

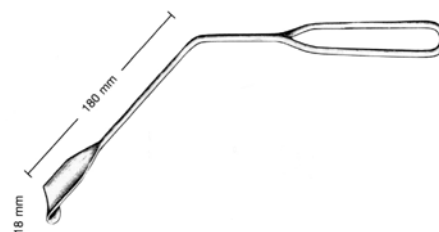
| Number | Description              | Width | Working Length |
|--------|--------------------------|-------|----------------|
| N16348 | Goodyear Uvula Retractor | 27 mm | 9.5 cm         |



## LOTHROP UVULA RETRACTOR

- Stainless Steel

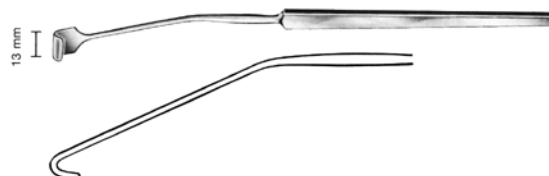
| Number | Description             | Width | Working Length |
|--------|-------------------------|-------|----------------|
| N16360 | Lothrop Uvula Retractor | 18 mm | 18 cm          |



## NAGER SOFT PALATE RETRACTOR

- Stainless Steel

| Number | Description           | Width | Working Length |
|--------|-----------------------|-------|----------------|
| N16423 | Nager Uvula Retractor | 13 mm | 22 cm          |



## HOFER PALATE ARCH RETRACTOR

- Stainless Steel

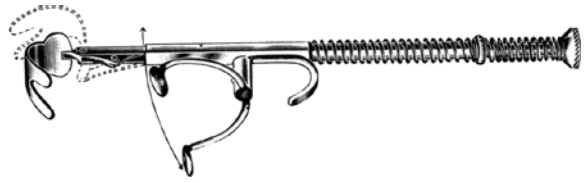
| Number | Description                 | Width      | Working Length |
|--------|-----------------------------|------------|----------------|
| N16474 | Hofer Palate Arch Retractor | 20 x 20 mm | 24 cm          |



## HASLINGER SOFT PALATE RETRACTOR

- Stainless Steel

| Number | Description                     | Working Length |
|--------|---------------------------------|----------------|
| N16520 | Haslinger Soft Palate Retractor | 17 cm          |



## YANKAUER NASO-PHARYNGEAL SPECULUM RETRACTOR

| Number | Description                                 |
|--------|---------------------------------------------|
| N16570 | Yankauer Naso-Pharyngeal Speculum Retractor |



## TONGUE SPATULA

### • Stainless Steel

| Number | Description    | Width | Working Length |
|--------|----------------|-------|----------------|
| N20010 | Tongue Spatula | 18 mm | 14.5 cm        |



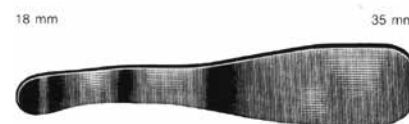
| Number | Description    | Width         | Working Length |
|--------|----------------|---------------|----------------|
| N20015 | Tongue Spatula | 20 mm / 23 mm | 14 cm          |



## BAGINSKI TONGUE SPATULA

### • Stainless Steel

| Number | Description             | Width         | Working Length |
|--------|-------------------------|---------------|----------------|
| N20005 | Baginski Tongue Spatula | 18 mm / 35 mm | 15 cm          |



## BUCHWALD TONGUE SPATULA

### • Stainless Steel

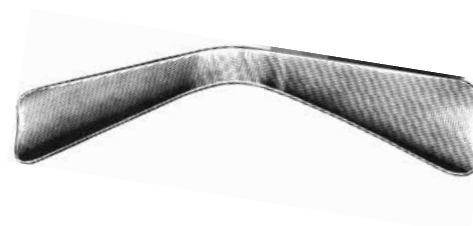
| Number | Description             | Width         | Working Length |
|--------|-------------------------|---------------|----------------|
| N20018 | Buchwald Tongue Spatula | 18 mm / 23 mm | 18 cm          |



## HASLINGER TONGUE SPATULA

### • Stainless Steel

| Number | Description              | Width         | Working Length |
|--------|--------------------------|---------------|----------------|
| N20027 | Haslinger Tongue Spatula | 22 mm / 29 mm | 12 cm          |
| N20028 | Haslinger Tongue Spatula | 30 mm / 33 mm | 16 cm          |



## FRENZEL TONGUE SPATULA

- Stainless Steel

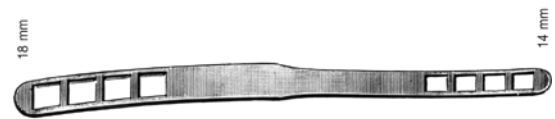
| Number | Description            | Width         | Working Length |
|--------|------------------------|---------------|----------------|
| N20035 | Frenzel Tongue Spatula | 23 mm / 13 mm | 16.5 cm        |



## BRÜNINGS TONGUE SPATULA

- Stainless Steel

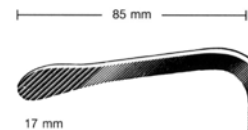
| Number | Description             | Width         | Working Length |
|--------|-------------------------|---------------|----------------|
| N20050 | Brünings Tongue Spatula | 18 mm / 14 mm | 19 cm          |



## MORITZ-SCHMIDT TONGUE SPATULA

- Stainless Steel

| Number | Description                   | Working Length |
|--------|-------------------------------|----------------|
| N20085 | Moritz-Schmidt Tongue Spatula | 19 cm          |



## ANDREWS TONGUE SPATULA

- Stainless Steel

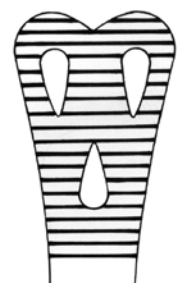
| Number | Description            | Width | Working Length |
|--------|------------------------|-------|----------------|
| N20130 | Andrews Tongue Spatula | 17 mm | 8.5 cm         |



## WIEDER TONGUE SPATULA

- Stainless Steel

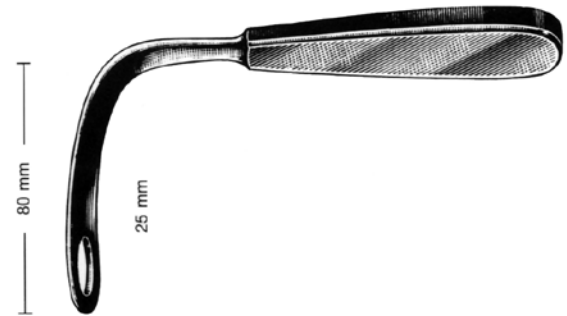
| Number | Description           | Width | Working Length |
|--------|-----------------------|-------|----------------|
| N20140 | Wieder Tongue Spatula | 28 mm | 8 cm           |
| N20141 | Wieder Tongue Spatula | 38 mm | 8 cm           |



## BOSWORTH TONGUE SPATULA

- Stainless Steel

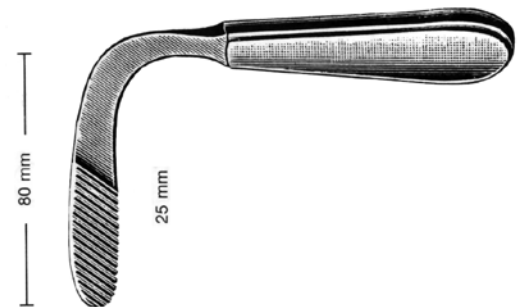
| Number | Description             | Width | Working Length |
|--------|-------------------------|-------|----------------|
| N20110 | Bosworth Tongue Spatula | 25 mm | 8 cm           |



## TOBOLD TONGUE SPATULA

- Stainless Steel

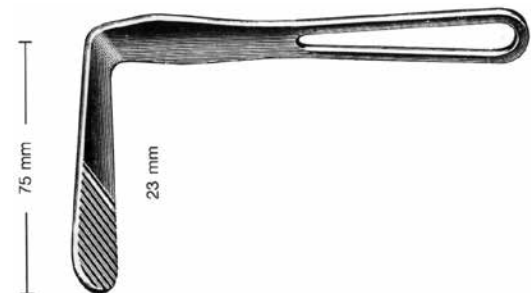
| Number | Description           | Width | Working Length |
|--------|-----------------------|-------|----------------|
| N20115 | Tobold Tongue Spatula | 25 mm | 8 cm           |



## HARTMANN TONGUE SPATULA

- Stainless Steel

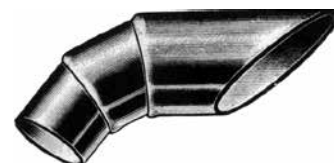
| Number | Description             | Width | Working Length |
|--------|-------------------------|-------|----------------|
| N20125 | Hartmann Tongue Spatula | 23 mm | 7.5 cm         |



## FINGER GUARD

- Stainless Steel

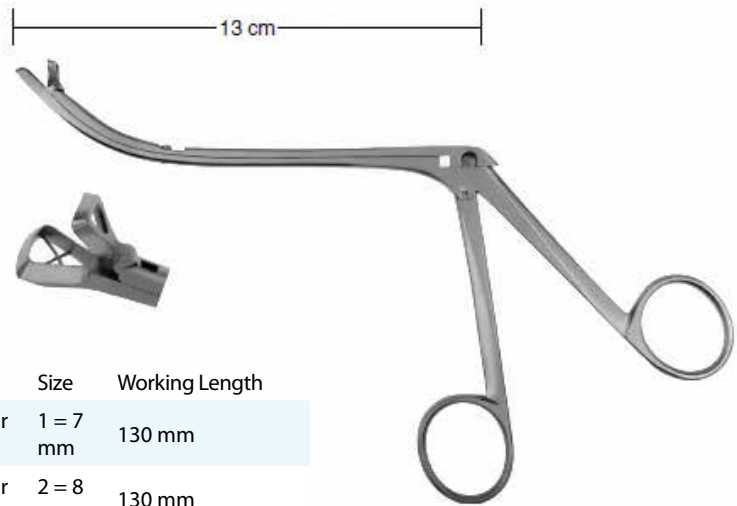
| Number | Description     | Diameter   |
|--------|-----------------|------------|
| N20101 | Finger Guard #1 | 17 - 21 mm |
| N20102 | Finger Guard #2 | 19 - 24 mm |
| N20103 | Finger Guard #3 | 21 - 26 mm |



## RONIS BIOPSY FORCEPS

• Stainless Steel

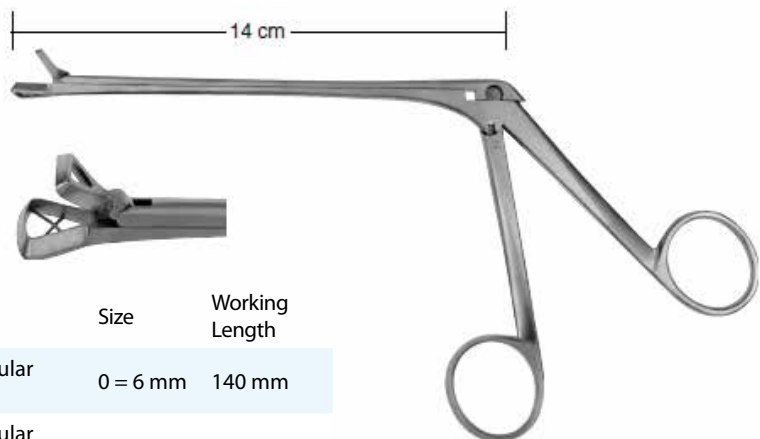
| Number | Description             |                                 | Size     | Working Length |
|--------|-------------------------|---------------------------------|----------|----------------|
| N02201 | Biopsy forceps by Ronis | Upturned with triangular basket | 1 = 7 mm | 130 mm         |
| M02202 | Biopsy forceps by Ronis | Upturned with triangular basket | 2 = 8 mm | 130 mm         |



## MELTZER ADENOID PUNCH

• Stainless Steel

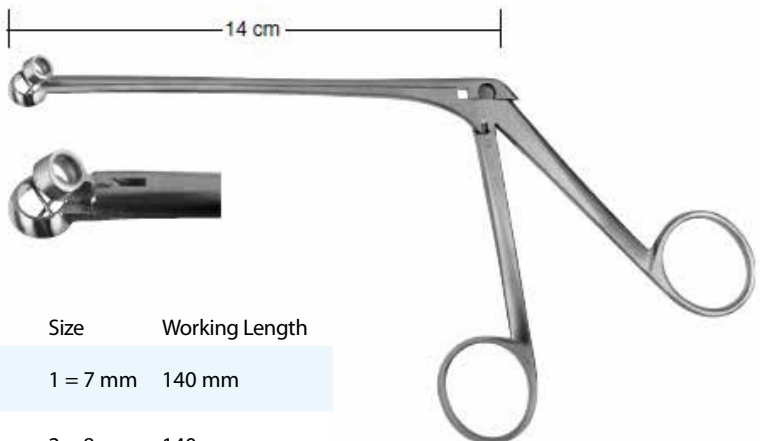
| Number | Description              |                                 | Size      | Working Length |
|--------|--------------------------|---------------------------------|-----------|----------------|
| N02300 | Adenoid punch by Meltzer | Straight with triangular basket | 0 = 6 mm  | 140 mm         |
| N02301 | Adenoid punch by Meltzer | Straight with triangular basket | 1 = 7 mm  | 140 mm         |
| N02302 | Adenoid punch by Meltzer | Straight with triangular basket | 2 = 8 mm  | 140 mm         |
| N02303 | Adenoid punch by Meltzer | Straight with triangular basket | 3 = 10 mm | 140 mm         |

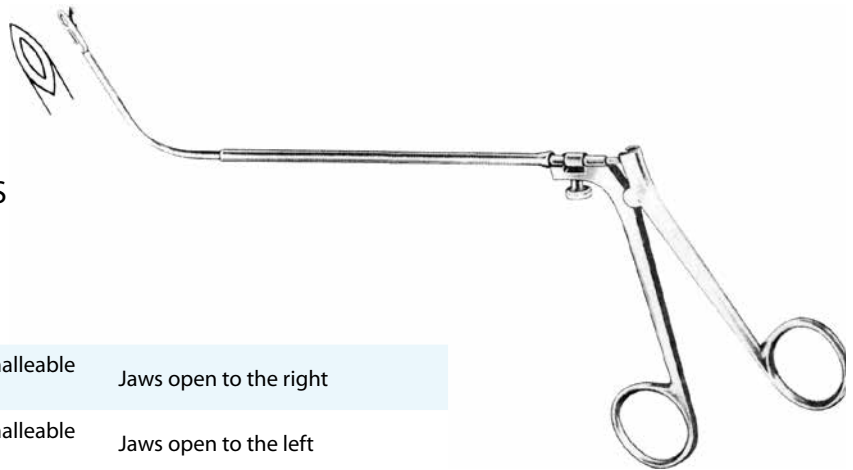


## MELTZER ADENOID PUNCH

• Stainless Steel

| Number | Description              |                            | Size     | Working Length |
|--------|--------------------------|----------------------------|----------|----------------|
| N02311 | Adenoid punch by Meltzer | Straight with round basket | 1 = 7 mm | 140 mm         |
| N02312 | Adenoid punch by Meltzer | Straight with round basket | 2 = 8 mm | 140 mm         |





## NASO-PHARYNGEAL BIOPSY FORCEPS

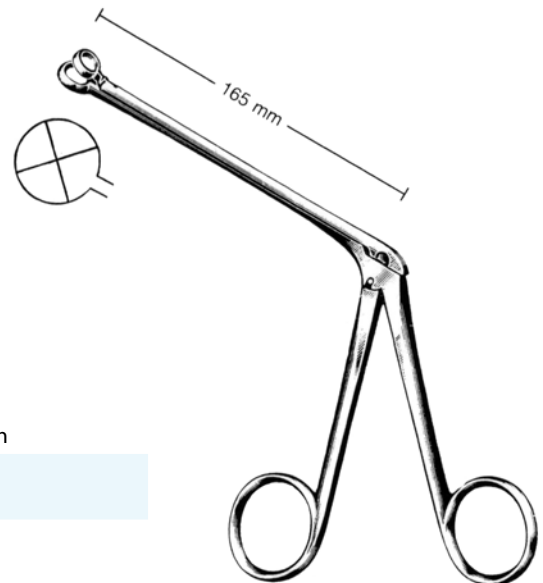
• Stainless Steel

| Number | Description                                       |                        |
|--------|---------------------------------------------------|------------------------|
| N15062 | Naso-pharyngeal biopsy forceps with malleable tip | Jaws open to the right |
| N15063 | Naso-pharyngeal biopsy forceps with malleable tip | Jaws open to the left  |

## HARTMANN ADENOID PUNCH

• Stainless Steel

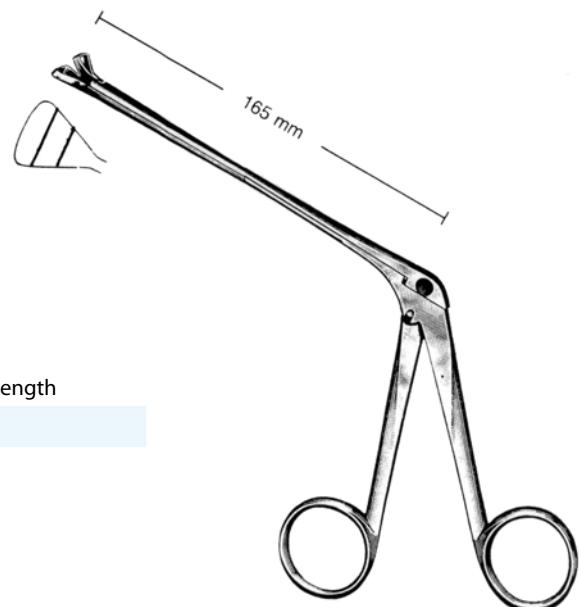
| Number | Description                        |       | Working Length |
|--------|------------------------------------|-------|----------------|
| N15212 | Hartmann adenoid punch with basket | Round | 16.5 cm        |



## SCHMEDEN ADENOID PUNCH

• Stainless Steel

| Number | Description                         |            | Working Length |
|--------|-------------------------------------|------------|----------------|
| N15212 | Shemedden adenoid punch with basket | Triangular | 16.5 cm        |

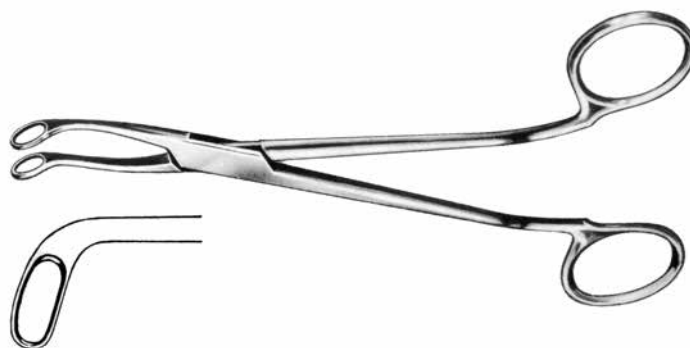




## ST. CLAIR-THOMSON NASO-PHARYNGEAL FORCEPS

- Stainless Steel

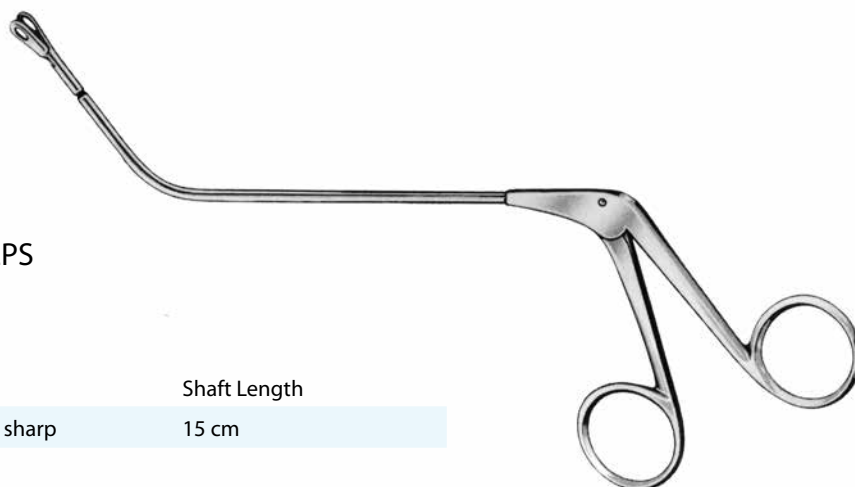
| Number | Description                                     | Working Length |
|--------|-------------------------------------------------|----------------|
| N15018 | St. Clair-Thomson Naso-Pharyngeal forceps sharp | 18 cm          |



## JURASZ NASO-PHARYNGEAL FORCEPS

- Stainless Steel

| Number | Description                                       | Working Length |
|--------|---------------------------------------------------|----------------|
| N15019 | Jurasz Naso-Pharyngeal forceps for children sharp | 19 cm          |



## JATHO NASO-PHARYNGEAL FORCEPS

- Stainless Steel

| Number | Description                         | Shaft Length |
|--------|-------------------------------------|--------------|
| N15050 | Jatho Naso-Pharyngeal forceps sharp | 15 cm        |

## JATHO EPIPHARYNGEAL FORCEPS

- Stainless Steel

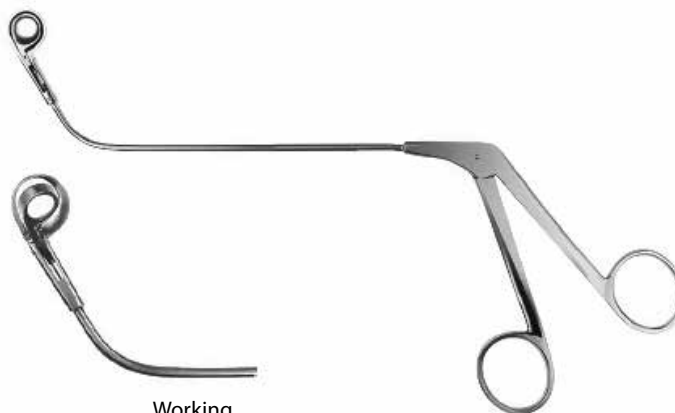
| Number | Description                                         |                                       | Working Length |
|--------|-----------------------------------------------------|---------------------------------------|----------------|
| N01500 | Jatho Epipharyngeal forceps with horizontal opening | Upturned with fenestrated cupped jaws | 15 cm          |
| N01501 | Jatho Epipharyngeal forceps with vertical opening   | Upturned with fenestrated cupped jaws | 15 cm          |



## FRENZEL CONCHOTOME

- Stainless Steel

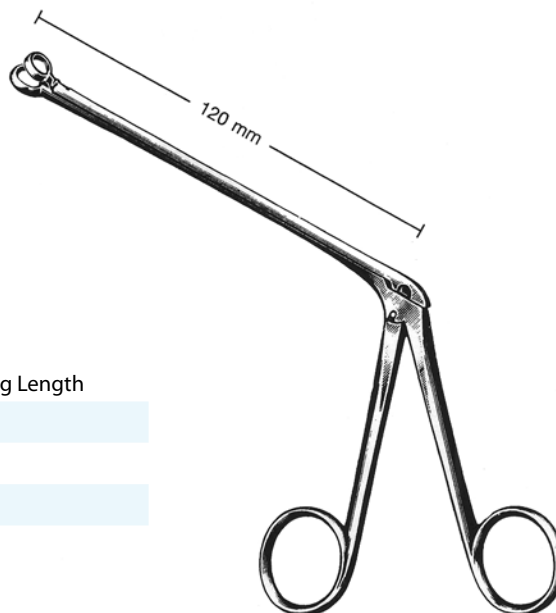
| Number | Description                        |                  |          | Diameter | Working Length |
|--------|------------------------------------|------------------|----------|----------|----------------|
| N01600 | Frenzel Conchotome for adenotomies | Ring shaped jaws | Upturned | 10 mm    | 14 cm          |



## HARTMANN TONSIL PUNCH

- Stainless Steel

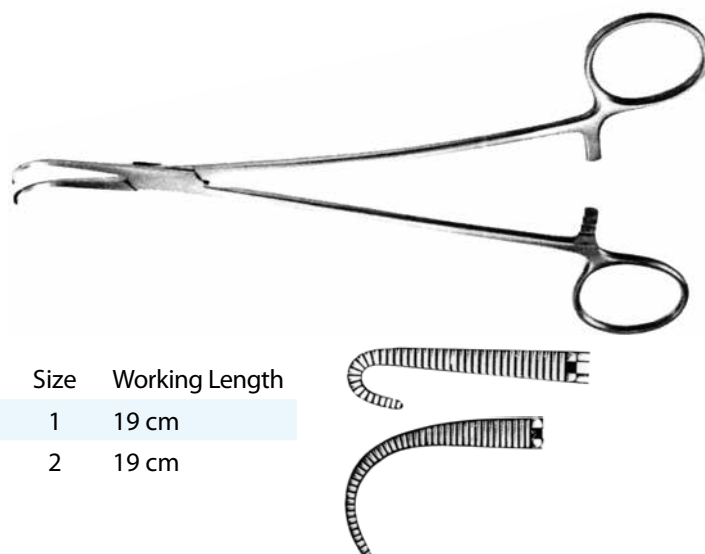
| Number | Description           |       | Diameter | Working Length |
|--------|-----------------------|-------|----------|----------------|
| N26513 | Hartmann tonsil punch | Sharp | 13 mm    | 12 cm          |
| N26515 | Hartmann tonsil punch | Sharp | 15 mm    | 12 cm          |
| N26517 | Hartmann tonsil punch | Sharp | 17 mm    | 12 cm          |



## NEGUS TONSIL ARTERY CLAMP

• Stainless Steel

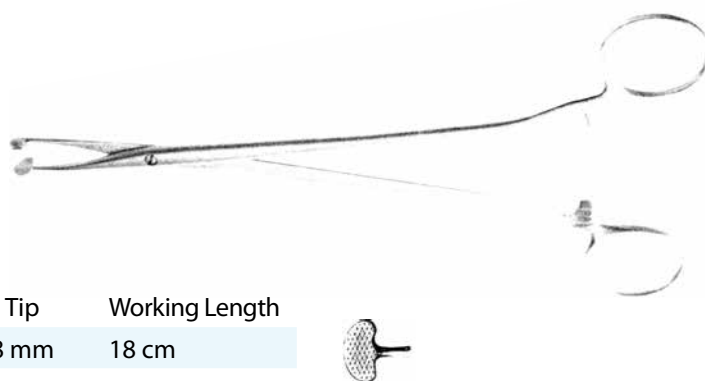
| Number | Description                               | Size | Working Length |
|--------|-------------------------------------------|------|----------------|
| N24221 | Negus tonsil artery clamp                 | 1    | 19 cm          |
| N24222 | Negus tonsil artery Clamp with long curve | 2    | 19 cm          |



## MUCK TONSIL ARTERY CLAMP

• Stainless Steel

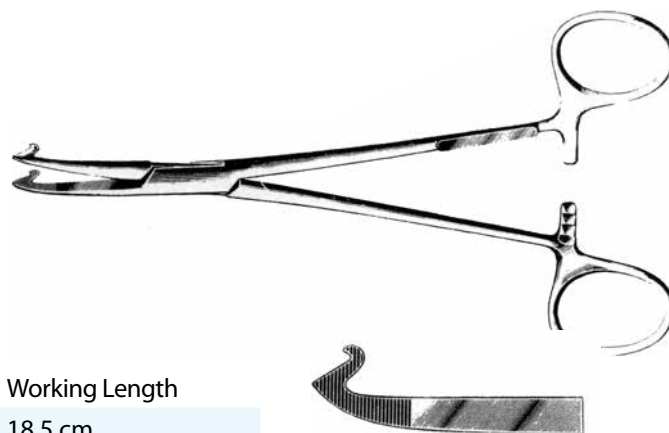
| Number | Description       | Size | Tip   | Working Length |
|--------|-------------------|------|-------|----------------|
| N24281 | Muck tonsil clamp | 1    | 8 mm  | 18 cm          |
| N24282 | Muck tonsil clamp | 2    | 10 mm | 18 cm          |



## MCWORTHER-LOTHROP TONSIL ARTERY CLAMP

• Stainless Steel

| Number | Description                           | Working Length |
|--------|---------------------------------------|----------------|
| N24290 | McWorther-Lothrop tonsil artery clamp | 18.5 cm        |





### HEISS-BIRKETT TONSIL ARTERY CLAMP

• Stainless Steel

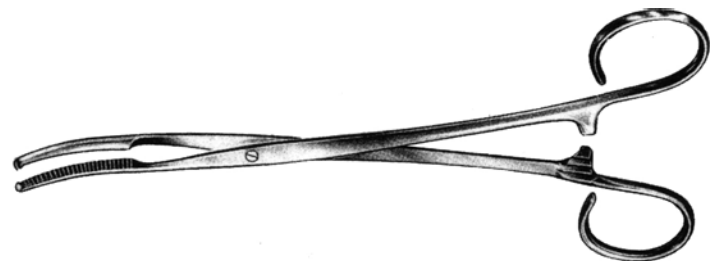
| Number | Description                       |                 |         | Working Length |
|--------|-----------------------------------|-----------------|---------|----------------|
| N50000 | Heiss-Birkett tonsil artery clamp | Straight        | Slender | 20 cm          |
| N50100 | Heiss-Birkett tonsil artery clamp | Slightly curved | Slender | 20 cm          |



### SCHNIDT TONSIL ARTERY CLAMP

• Stainless Steel

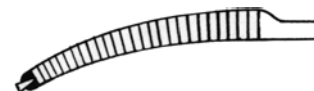
| Number | Description                 |                 |         | Working Length |
|--------|-----------------------------|-----------------|---------|----------------|
| N51000 | Schnidt tonsil artery clamp | Slightly curved | Slender | 19 cm          |
| N51100 | Schnidt tonsil artery clamp | Strong curved   | Slender | 19 cm          |



### MIKULICZ TONSIL ARTERY CLAMP

• Stainless Steel

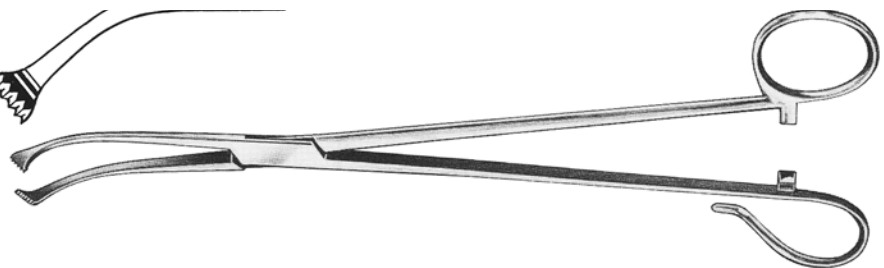
| Number | Description                  | Working Length |
|--------|------------------------------|----------------|
| N24015 | Mikulicz tonsil artery clamp | 18 cm          |





### MARSCHIK TONSIL FORCEPS

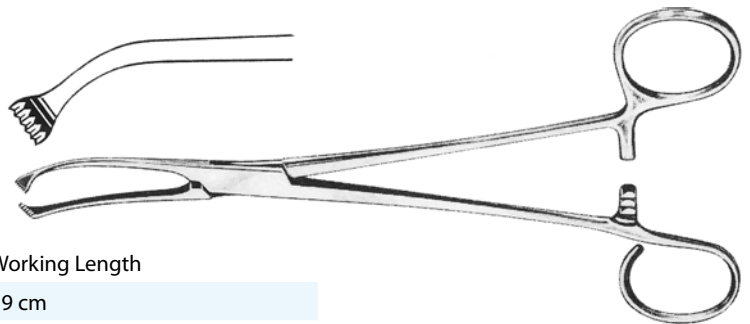
| Number | Description                | Working Length |
|--------|----------------------------|----------------|
| N24005 | Tonsil forceps by Marschik | 22 cm          |



### WHITE TONSIL SEIZING FORCEPS

- Stainless Steel
- Open ring

| Number | Description                     | Working Length |
|--------|---------------------------------|----------------|
| N24018 | Tonsil seizing forceps by White | 18 cm          |
| N24023 | Tonsil seizing forceps by White | 23 cm          |



### COLVER TONSIL FORCEPS

| Number | Description              | Working Length |
|--------|--------------------------|----------------|
| N24019 | Tonsil forceps by Colver | 19 cm          |



### BLOHMKE TONSIL SEIZING FORCEPS

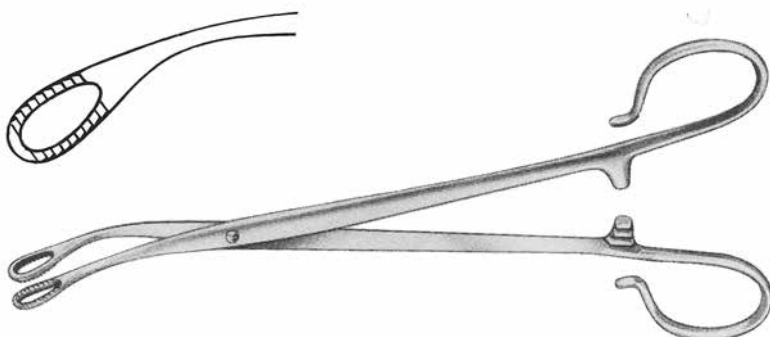
- Stainless Steel
- Open ring

| Number | Description                       | Working Length |
|--------|-----------------------------------|----------------|
| N24021 | Tonsil seizing forceps by Blohmke | 21 cm          |

## ABRAHAM TONSIL FORCEPS

- Open ring

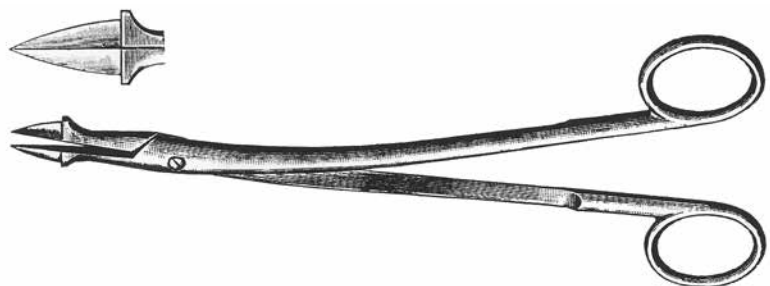
| Number | Description              | Working Length |
|--------|--------------------------|----------------|
| N24022 | Tonsil forceps by Tyding | 20.5 cm        |



## THILENIUS TONSIL ABSCESS FORCEPS

- Stainless Steel

| Number | Description                         | Working Length |
|--------|-------------------------------------|----------------|
| N24090 | Tonsil seizing forceps by Thilenius | 20 cm          |



## TYDING TONSIL FORCEPS

- Open ring

| Number | Description                          | Working Length |
|--------|--------------------------------------|----------------|
| N36000 | Tonsil forceps by Tyding 2 x 2 teeth | 21 cm          |



## Tivnen Tonsil Forceps

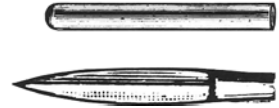
| Number | Description                          | Working Length |
|--------|--------------------------------------|----------------|
| N36100 | Tonsil forceps by Tivnen 3 x 3 teeth | 21 cm          |





## TONSIL KNIVES

| Number | Description  | Working Length |
|--------|--------------|----------------|
| N22005 | Tonsil knife | 18 cm          |



## CANFIELD TONSIL KNIVES

| Number | Description           | Working Length |
|--------|-----------------------|----------------|
| N22030 | Canfield tonsil knife | 21 cm          |



## ABRAHAM TONSIL KNIVES

| Number | Description          | Working Length |
|--------|----------------------|----------------|
| N22035 | Abraham tonsil knife | 21 cm          |



## BRÜNINGS TONSIL KNIVES

| Number | Description           | Working Length |
|--------|-----------------------|----------------|
| N22040 | Brünings tonsil knife | 23 cm          |



## DAY TONSIL KNIVES

| Number | Description      | Working Length |
|--------|------------------|----------------|
| N22050 | Day tonsil knife | 23 cm          |





ABRAHAM (TYDING) TONSIL KNIVES

| Number | Description                   | Working Length |
|--------|-------------------------------|----------------|
| N22055 | Abraham (Tyding) tonsil knife | 20 cm          |



FISHER (COLVER) TONSIL KNIVES

| Number | Description                  | Working Length |
|--------|------------------------------|----------------|
| N22070 | Fisher (Colver) tonsil knife | 22.5 cm        |



## REVERSIBLE SCREWS

| Number | Description      | Diameter | Working Length |
|--------|------------------|----------|----------------|
| N22085 | Reversible screw | 7 mm     | 21 cm          |
| N22087 | Reversible screw | 4 mm     | 10 cm          |

### YANKAUER TONSIL DISSECTORS

• Stainless Steel

| Number | Description               | Working Length |
|--------|---------------------------|----------------|
| N22505 | Yankauer tonsil dissector | 21 cm          |



### HURD TONSIL DISSECTORS

• Stainless Steel

| Number | Description           | Size       | Working Length |
|--------|-----------------------|------------|----------------|
| N22515 | Hurd tonsil dissector | 6 / 12 mm  | 22 cm          |
| N22520 | Hurd tonsil dissector | 10 / 12 mm | 22 cm          |



### ALDERDICE TONSIL DISSECTORS

• Stainless Steel

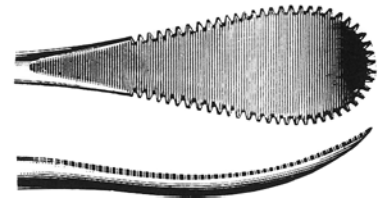
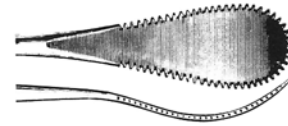
| Number | Description                | Working Length |
|--------|----------------------------|----------------|
| N22530 | Alderdice tonsil dissector | 22 cm          |



### HENKE TONSIL DISSECTORS

• Stainless Steel

| Number | Description            | Size       | Working Length |
|--------|------------------------|------------|----------------|
| N22535 | Henke tonsil dissector | 12 / 18 mm | 24 cm          |



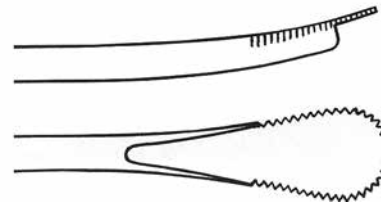
## HENKE TONSIL DISSECTORS

| Number | Description            | Size  | Working Length |
|--------|------------------------|-------|----------------|
| N22537 | Henke tonsil dissector | 12 mm | 23 cm          |
| N22538 | Henke tonsil dissector | 17 mm | 23 cm          |



## LOPEZ-REINKE TONSIL DISSECTORS

| Number | Description                                       | Working Length |
|--------|---------------------------------------------------|----------------|
| N02540 | Lopez-Reinke tonsil dissector with suction device | 23 cm          |



## CARPENTER TONSIL DISSECTORS

| Number | Description                | Working Length |
|--------|----------------------------|----------------|
| N02540 | Carpenter tonsil dissector | 25 cm          |



## METZENBAUM TONSIL SCISSORS

- Stainless Steel

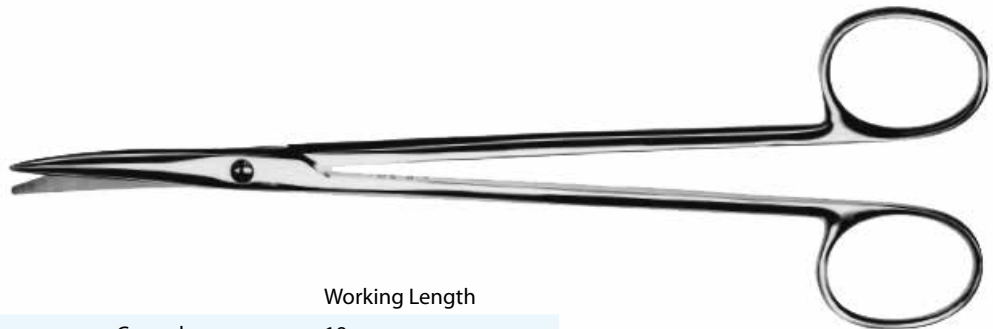
| Number | Description                                                              |        | Working Length |
|--------|--------------------------------------------------------------------------|--------|----------------|
| N42018 | Tonsil Scissors by Metzenbaum                                            | Curved | 18 cm          |
| N42020 | Tonsil Scissors by Metzenbaum                                            | Curved | 20 cm          |
| N42218 | Tonsil Scissors by Metzenbaum with tungsten carbide tip and gold handles | Curved | 18 cm          |
| N42220 | Tonsil Scissors by Metzenbaum with tungsten carbide tip and gold handles | Curved | 20.5 cm        |



## LILLY TONSIL SCISSORS

- Stainless Steel

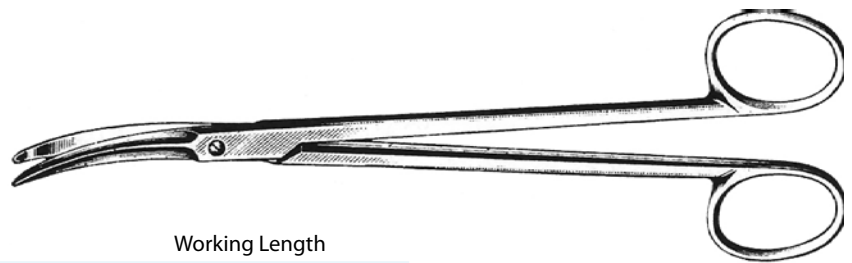
| Number | Description              |        | Working Length |
|--------|--------------------------|--------|----------------|
| N41400 | Tonsil Scissors by Lilly | Curved | 19 cm          |



## PRINCE TONSIL SCISSORS

- Stainless Steel

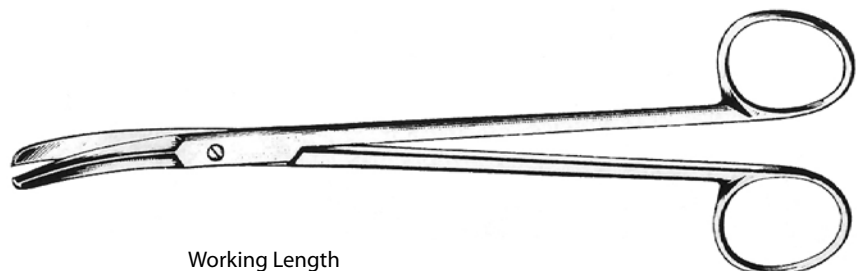
| Number | Description               |  | Working Length |
|--------|---------------------------|--|----------------|
| N24520 | Tonsil Scissors by Prince |  | 18 cm          |

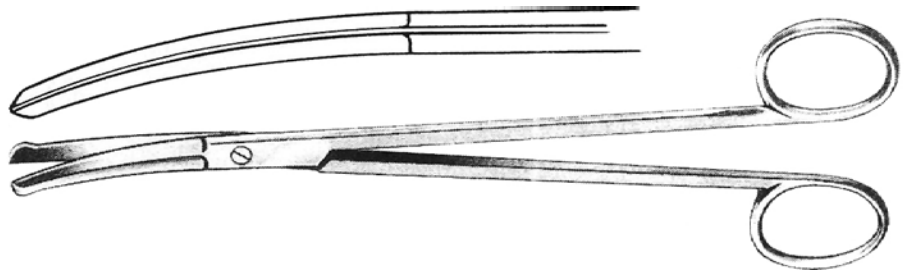


## BOETTCHER TONSIL SCISSORS

- Stainless Steel

| Number | Description                  |  | Working Length |
|--------|------------------------------|--|----------------|
| N24525 | Tonsil Scissors by Boettcher |  | 18 cm          |

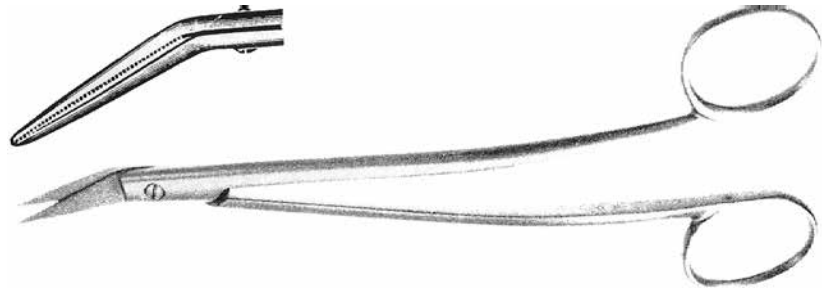




## GOOD TONSIL SCISSORS

- Stainless Steel

| Number | Description             | Working Length |
|--------|-------------------------|----------------|
| N24530 | Tonsil Scissors by Good | 19 cm          |



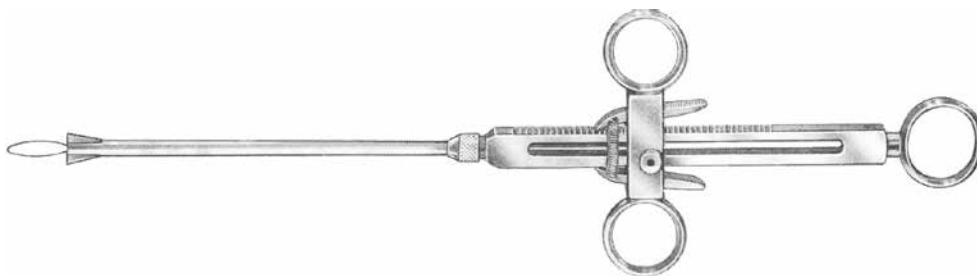
## DEAN TONSIL SCISSORS

- Stainless Steel

| Number | Description             | Working Length            |
|--------|-------------------------|---------------------------|
| N24550 | Tonsil Scissors by Dean | 1 serrated blade<br>17 cm |

## BRÜNINGS TONSIL SNARE

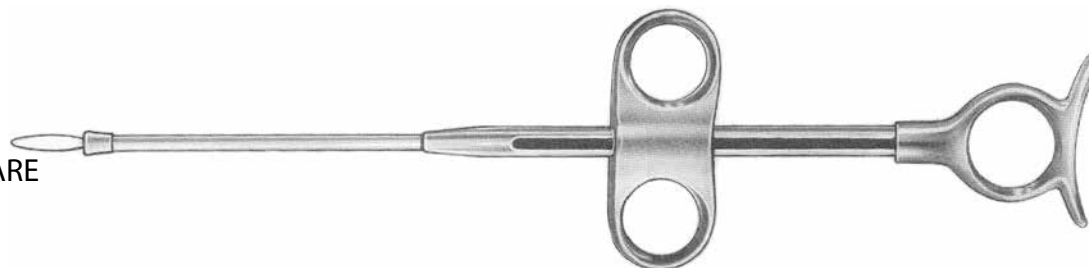
- Stainless Steel



| Number | Description                                                    | Working Length |
|--------|----------------------------------------------------------------|----------------|
| N25005 | Tonsil snare with catch with Brünings<br>Includes 3 wire loops | 29 cm          |

## EVES TONSIL SNARE

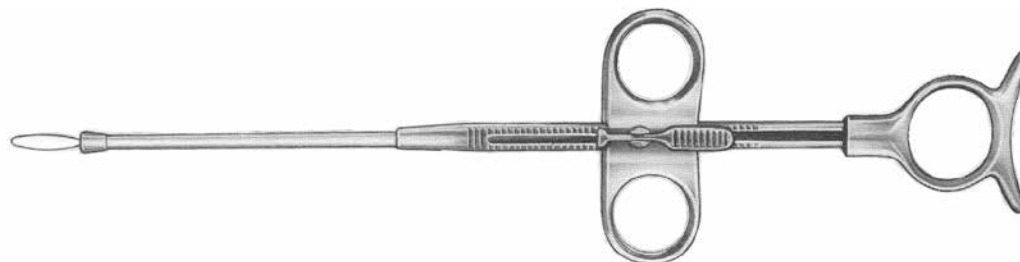
- Stainless Steel



| Number | Description                                        | Working Length |
|--------|----------------------------------------------------|----------------|
| N25010 | Tonsil snare by Eves<br>Includes 3 preshaped wires | 27 cm          |

## EVES TONSIL SNARE

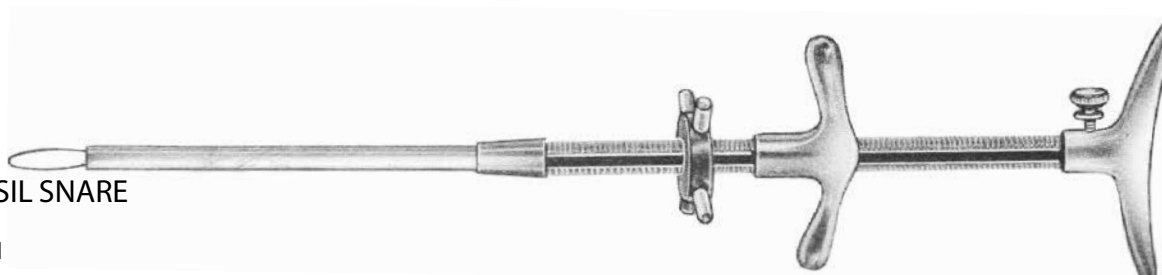
- Stainless Steel



| Number | Description                     | Working Length |
|--------|---------------------------------|----------------|
| N25011 | Tonsil snare with catch by Eves | 27 cm          |

## LEWIS TONSIL SNARE

- Stainless Steel

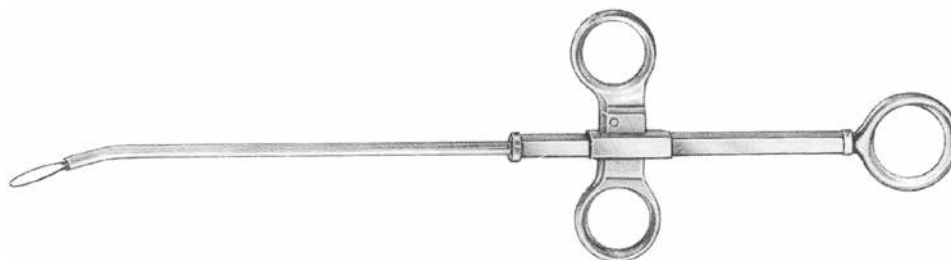


| Number | Description                                         | Working Length |
|--------|-----------------------------------------------------|----------------|
| N25016 | Tonsil snare by Lewis<br>Includes 3 preshaped wires | 25.5 cm        |

## ROEDER "E" TONSIL SNARE

• Stainless Steel

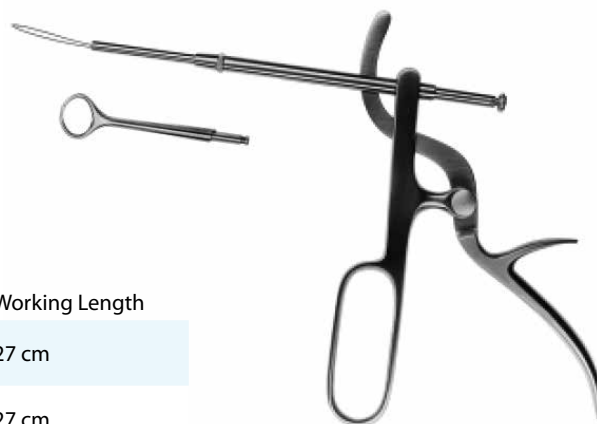
| Number | Description                                  | Working Length |
|--------|----------------------------------------------|----------------|
| N25025 | Tonsil snare by Roeder "E" for catgut suture | 27 cm          |



## TYDING TONSIL SNARE

• Stainless Steel

| Number | Description                                   |                             | Working Length |
|--------|-----------------------------------------------|-----------------------------|----------------|
| N25051 | Tonsil Snare by Tyding with 3 preshaped wires | Straight tip                | 27 cm          |
| N25052 | Tonsil Snare by Tyding with 3 preshaped wires | Straight, Vedder looped tip | 27 cm          |
| N25053 | Straight tip only                             |                             |                |
| N25054 | Vedder loop tip only                          |                             |                |



## TONSIL SNARE WIRE LOOPS



Number Description

|        |                                  |            |
|--------|----------------------------------|------------|
| N25095 | Soldered tonsil snare wire loops | 100 / pack |
|--------|----------------------------------|------------|

## TONSIL SNARE PRE-CUT WIRE



| Number | Description | Diameter |
|--------|-------------|----------|
|--------|-------------|----------|

|        |                                |        |
|--------|--------------------------------|--------|
| N25096 | Pre-cut wire for tonsil snares | .35 mm |
|--------|--------------------------------|--------|

|        |                                                |        |
|--------|------------------------------------------------|--------|
| N25097 | Pre-cut wire for tonsil snares (Standard Size) | .40 mm |
|--------|------------------------------------------------|--------|

|        |                                |        |
|--------|--------------------------------|--------|
| N25098 | Pre-cut wire for tonsil snares | .45 mm |
|--------|--------------------------------|--------|

|        |                                |        |
|--------|--------------------------------|--------|
| N25099 | Pre-cut wire for tonsil snares | .50 mm |
|--------|--------------------------------|--------|

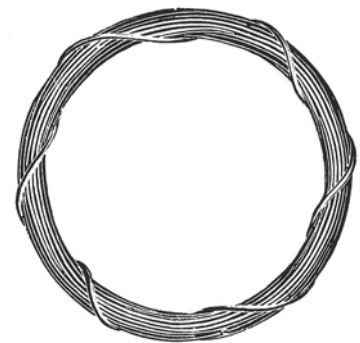
## SNARE WIRES

| Number | Description |  | Diameter |
|--------|-------------|--|----------|
|--------|-------------|--|----------|

|        |                |           |        |
|--------|----------------|-----------|--------|
| N61543 | Wire for snare | 10 m coil | .35 mm |
|--------|----------------|-----------|--------|

|        |                |           |        |
|--------|----------------|-----------|--------|
| N61544 | Wire for snare | 10 m coil | .40 mm |
|--------|----------------|-----------|--------|

|        |                |           |        |
|--------|----------------|-----------|--------|
| N61545 | Wire for snare | 10 m coil | .45 mm |
|--------|----------------|-----------|--------|



## SNARE CATGUT SUTURE LOOPS

Number Description

|        |                                |         |          |
|--------|--------------------------------|---------|----------|
| N25025 | Catgut suture loops for snares | Sterile | 20 / box |
|--------|--------------------------------|---------|----------|

|        |                                            |         |          |
|--------|--------------------------------------------|---------|----------|
| N25030 | Catgut suture loops for snares Thickness 0 | Sterile | 20 / box |
|--------|--------------------------------------------|---------|----------|

|        |                                            |         |          |
|--------|--------------------------------------------|---------|----------|
| N25031 | Catgut suture loops for snares Thickness 1 | Sterile | 20 / box |
|--------|--------------------------------------------|---------|----------|



## SLUDER-BALLENGER TONSILTOME

- Stainless Steel handle

| Number | Description                                                               |                  |
|--------|---------------------------------------------------------------------------|------------------|
| N26010 | Tonsiltome by Sluder-Ballenger, complete with one blade of each size #1-3 | Angled-up blades |
| N26019 | Handle only for tonsiltome by Sluder-Ballenger                            |                  |



## SLUDER-BALLENGER TONSILTOME BLADES

| Number | Description                               | Size | width |
|--------|-------------------------------------------|------|-------|
| N26021 | Blades for tonsiltome by Sluder-Ballenger | 1    | 18 mm |
| N26022 | Blades for tonsiltome by Sluder-Ballenger | 2    | 20 mm |
| N26023 | Blades for tonsiltome by Sluder-Ballenger | 2    | 23 mm |

## ROEDER LOOP APPLICATOR

- Stainless Steel

| Number | Description               | Type E | Overall Length |
|--------|---------------------------|--------|----------------|
| N46400 | Loop applicator by Roeder |        | 27 cm          |



## NAGER TONSIL SUTURE NEEDLE

- Stainless Steel

| Number | Description                   | Overall Length |
|--------|-------------------------------|----------------|
| N46500 | Tonsil suture needle by Nager | 24 cm          |



## HURD TONSIL SUTURE NEEDLE

- Stainless Steel

| Number | Description                  |            | Overall Length |
|--------|------------------------------|------------|----------------|
| N46700 | Tonsil Suture Needle by Hurd | Right hand | 22.5 cm        |
| N46800 | Tonsil Suture Needle by Hurd | Left hand  | 22.5 cm        |



## SUTURE HOOK

- Stainless Steel

| Number | Description |            | Overall Length |
|--------|-------------|------------|----------------|
| N46900 | Suture Hook | Right hand | 20.5 cm        |





## KNOT TIER

- Stainless Steel

| Number | Description                     | Overall Length |
|--------|---------------------------------|----------------|
| N47100 | Knot tier<br>Fork shaped, blunt | 20.5 cm        |

## LUNIATSCHEK TONSIL GAUZE PACKERS

- Stainless Steel



| Number | Description                         | Overall Length |
|--------|-------------------------------------|----------------|
| N43700 | Tonsil gauze packers by Luniatschek | 19 cm          |



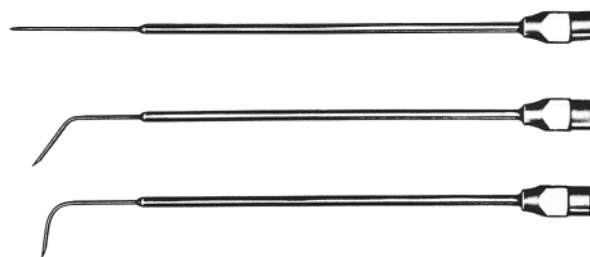
## ABRAHAM TONSIL KNIFE

- Stainless Steel

| Number | Description             | Overall Length |
|--------|-------------------------|----------------|
| N48000 | Tonsil knife by Abraham | 21 cm          |

## TONSIL SEPTAL CANNULAS WITH LUER-LOCK HUB

• Stainless Steel

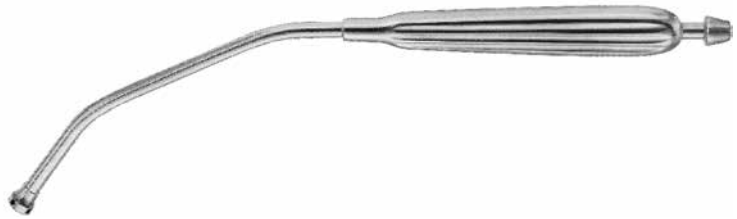


| Number | Description                        |                | Diameter      | Length     |
|--------|------------------------------------|----------------|---------------|------------|
| L29510 | Tonsil Cannulas with Luer-Lock Hub | Straight       | 0.8 mm (22 g) | 75 / 25 mm |
| L29514 | Tonsil Cannulas with Luer-Lock Hub | Knee bent, 45° | 0.8 mm (22 g) | 75 / 25 mm |
| L29519 | Tonsil Cannulas with Luer-Lock Hub | Curved, 90°    | 0.8 mm (22 g) | 75 / 25 mm |



## ANDREW PYNCHON PEDIATRIC SUCTION TUBES

| Number    | Description                                                    | Diameter | Length |
|-----------|----------------------------------------------------------------|----------|--------|
| N506-0421 | Andrew Pynchon pediatric suction tubes, tip with lateral holes | 3 mm     | 24 cm  |
| N506-0422 | Andrew Pynchon pediatric suction tubes, tip with lateral holes | 4.2 mm   | 24 cm  |
| N506-0424 | Andrew Pynchon pediatric suction tubes, tip with lateral holes | 6 mm     | 24 cm  |



## YANKAUER PEDIATRIC SUCTION TUBE

| Number    | Description                                     | Diameter | Length |
|-----------|-------------------------------------------------|----------|--------|
| N506-0303 | Yankauer pediatric suction tube with tube olive | 3.5 mm   | 22 cm  |



## WALTON YANKAUER SUCTION TUBE

| Number    | Description                                                   | Length |
|-----------|---------------------------------------------------------------|--------|
| N506-0304 | Walton Yankauer suction tube regulating valve with tube olive | 32 cm  |



## YANKAUER ROUND-TIP SUCTION TUBE

| Number    | Description                                              | Length |
|-----------|----------------------------------------------------------|--------|
| N506-0306 | Yankauer suction tube with round suction tip, tube olive | 23 cm  |



## YANKAUER SUCTION TUBE

| Number    | Description                                               | Central bore Ø | Length  |
|-----------|-----------------------------------------------------------|----------------|---------|
| N506-0300 | Yankauer suction tube with tube olive without light guide | 2 mm           | 28.5 cm |
| N506-0301 | Yankauer suction tube with tube olive without light guide | 4.8 mm         | 28.5 cm |
| N506-0308 | Yankauer suction tube with tube olive with light guide    | 2 mm           | 28.5 cm |

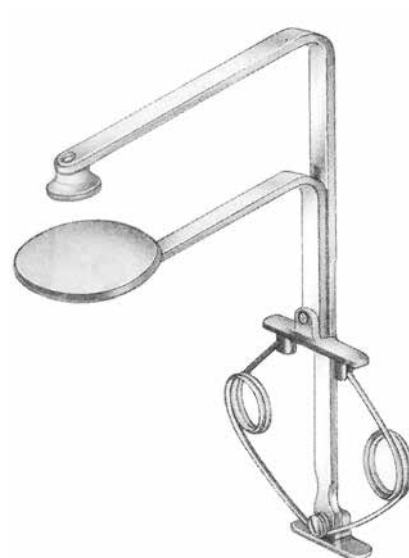


| Number     | Description                                                      | Length  |
|------------|------------------------------------------------------------------|---------|
| N506-0302  | Yankauer suction tube with wall suction extension and tube olive | 31 cm   |
| N506-03214 | Yankauer suction tube with wall suction extension and tube olive | 35.5 cm |
| N506-03216 | Yankauer suction tube with wall suction extension and tube olive | 40.5 cm |
| N506-03218 | Yankauer suction tube with wall suction extension and tube olive | 45.5 cm |

## VETTER TONSIL COMPRESSOR

- Stainless Steel

| Number | Description              |
|--------|--------------------------|
| N22595 | Vetter Tonsil Compressor |



## LUNIATSCHECK TONSIL GAUZE PACKER

- Stainless Steel

| Number | Description                      | Working Length |
|--------|----------------------------------|----------------|
| N22595 | Luniatscheck Tonsil Gauze Packer | 18 cm          |



Cryosurgery is the localized freezing of skin tissue for a controlled destruction and removal of unwanted cutaneous skin lesions. The recent significant developments in cryosurgical devices and their techniques, such as the new CryoIQ®, have made cryosurgery extremely practical in the aesthetic application and a standard in cosmetic dermatology.

## DEVICES

### CryoIQ PRO Aesthetic devices

PRO A - Devices with exchangeable tip and gas cartridge with valve

| Catalog No.    | Description                                                                                                                                                                                                                                                                                                                                                                    | Package Size |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| CIQ-PS-L/D2    | <b>New!</b> CryoIQ PRO D2 device with<br>1 standard tip 60 µm, L=10 mm, spray freezing Ø1-6 mm<br>1 dermatology tip D2, L=22 mm, spray freezing Ø7-18 mm<br>1 PRO body with lever<br>1 gas cartridge N <sub>2</sub> O 25 gram<br>1 case for storage<br>1 user guide A6 size                                                                                                    | 1            |
| CIQ-PS-L/D2/D3 | <b>New!</b> CryoIQ PRO Aesthetic device with<br>1 standard tip 60 µm, L=10 mm, spray freezing Ø1-6 mm<br>1 dermatology tip D2, L=22 mm, spray freezing Ø7-18 mm<br>1 dermatology tip D3, L=22 mm, spray freezing Ø7-25 mm<br>1 PRO A body with lever<br>1 freeze limiter<br>1 gas cartridge N <sub>2</sub> O 25 gram <b>New!</b><br>1 case for storage<br>1 user guide A6 size | 1            |
| CIQ-PS-D2/GYN  | <b>New!</b> CryoIQ PRO Gynecology device with<br>1 dermatology tip D2, L=22 mm, spray freezing Ø7-18 mm<br>1 gynecology tip, 5°, L=130 mm, spray freezing Ø9-22 mm<br>1 PRO body with lever<br>1 gas cartridge N <sub>2</sub> O 25 gram<br>1 case for storage<br>1 user guide A6 size                                                                                          | 1            |

- Sunspots
- Age spots
- Skin tags
- Verrucae
- Seborrheic keratosis
- Actinic keratosis



## GAS CARTRIDGES with OXIBLOCK® TECHNOLOGY

All our gas cartridges are equipped with a valve. The 25 gram gas cartridges fit CryoIQ® models PRO Aesthetic. The gas cartridges have a built-in 5 µm filter and are filled with medical grade N<sub>2</sub>O gas.

| Catalog No. | Description                                                                       | Package Size | Min Order QTY     |
|-------------|-----------------------------------------------------------------------------------|--------------|-------------------|
| CIQ-GS-VN25 | Gas cartridge 25 gram N <sub>2</sub> O with valve for model CryoIQ® PRO Aesthetic | 1            | 10 single package |

## ADDITIONAL TIPS

| Catalog No.   | Description                                               | Package Size |
|---------------|-----------------------------------------------------------|--------------|
| CIQ-PSA-DST60 | Standard Tip 60µm, L=10mm, Spray Freezing Ø1-6mm          | 1            |
| CIQ-PSA-DST80 | Standard Tip 80µm, L=10mm, Spray Freezing Ø7-18mm         | 1            |
| CIQ-PSA-D1    | Dermatology Tip 60µm, L=22mm, Spray Freezing Ø1-6mm       | 1            |
| CIQ-PSA-D2    | Dermatology Tip 80µm, L=22mm, Spray Freezing Ø7-18mm      | 1            |
| CIQ-PSA-D3    | Dermatology Tip 100µm, L=22mm, Spray Freezing Ø9-22mm     | 1            |
| CIQ-PSA-D1-3  | Dermatology Tip Set: 3 Tips (D1, D2, D3)                  | 1            |
| CIQ-PSA-A45   | Angled Tip 45°, L=8cm, Spray Freezing Ø7-18mm             | 1            |
| CIQ-PSA-L13   | Gynecology Tip 100µm, L=130mm, Spray Freezing Ø9-22mm     | 1            |
| CIQ-PSA-L13/5 | Gynecology Tip 100µm, L=130mm, 5°, Spray Freezing Ø9-22mm | 1            |

### REVITALIZE PURE

Stretch marks, acne marks, scar marks, and other skin imperfections are undesirable for anyone from an aesthetic point of view.

Indication: For all skins that needs to regenerate the texture and tonality.

| Number | Description                                                   | Quantity     |
|--------|---------------------------------------------------------------|--------------|
| MYF500 | 5ml Bottle, Sodium Hyalurnate 12mg/ml, Hydrolyzed Collagen 5% | 5 Vials/ Box |



### REVITALIZE VITAMINS

Stress, sun over-exposure, wrong diet, and aging the appearance. You can apply alone or mix it with PURE.

Indication: Revitalizing and illuminating.

| Number | Description                                               | Quantity     |
|--------|-----------------------------------------------------------|--------------|
| MYF501 | 5ml Bottle, Vitamin Complex with 69 vitamins and peptides | 5 Vials/ Box |



### REVITALIZE BODY

Body and facial flaccidity is a direct consequence of aging and or weight variations.

Indication: Flaccidity, striae, lost laser, post peeling or scrubs, and alopecia.

| Number | Description                                                                  | Quantity     |
|--------|------------------------------------------------------------------------------|--------------|
| MYF502 | 5ml Bottle, Methylsilanol Mannonurate 2.5%, Dimethylaminoethanol Tartrate 1% | 5 Vials/ Box |



### REVITALIZE SLIM

Poor diet, lack of exercise, and stress are the main reasons of excess fat accumulation.

Indication: Localized fat accumulation spot as belly, back of the arm, neck, and legs.

| Number | Description                                                                  | Quantity     |
|--------|------------------------------------------------------------------------------|--------------|
| MYF503 | 5ml Bottle, Phosphatidylcholine 2.5%, Sodium Deoxycholate 1.5%, Carnitine 4% | 5 Vials/ Box |



### REVITALIZE HAIR

Specific composition to reinforce the existing hair, promote hair growth and prevent hair loss. Indication: Nourishing the scalp and promoting hair growth.

Indication: Nourishing the scalp and promoting hair growth.

| Number | Description                               | Quantity     |
|--------|-------------------------------------------|--------------|
| MYF504 | 10ml Bottle, DHQG, EGCG, Glicina and Zinc | 5 Vials/ Box |



### REVITALIZE WHITE SKIN

Removal of skin spots with a gentle and efficient product. Try on is very important.

Indication: Lighten skin tone and reduce skin spots.

| Number | Description                                               | Quantity     |
|--------|-----------------------------------------------------------|--------------|
| MYF505 | 5ml Bottle, Kojic Acid, Retinol, Ascorbic Acid(Vitamin C) | 5 Vials/ Box |



### REVITALIZE BOOSTER

Patent pending growth factor stabilization. Can be used for acne treatment, acne scars, stretchmarks, and firming the facial skin. Booster is not injectable.

Indication: It promotes dermal repair increasing its self-regeneration rate.

| Number | Description                                             | Quantity     |
|--------|---------------------------------------------------------|--------------|
| MYF506 | 1ml Bottle, 4 ampules with epidermal growth factor(EGF) | 4 Vials/ Box |



## TERMS AND CONDITIONS

### PLACING YOUR ORDER

For your convenience, orders may be placed via email, fax, or phone. We will ship ground unless otherwise specified.

Email: [orders@invotec.net](mailto:orders@invotec.net)

Fax: (904) 886-9517

Phone: (800) 998-8580

### PAYMENT TERMS

Our payment terms are net thirty (30) days. F.O.B. Jacksonville, FL unless otherwise specified.

### ACCEPTANCE

All orders are subject to approval and acceptance from Invotec International, Inc. which reserves the right to alter or suspend credit, cancel unfilled orders or refuse shipment when credit conditions warrant such action.

### PRODUCT SPECIFICATIONS AND AVAILABILITY

Invotec reserves the right to discontinue merchandise, make design improvements, change specifications, prices, terms or conditions of sale at any time without notice or obligation.

### PACKAGING AND SHIPMENTS

- A. Processing of all orders begins immediately.
- B. All items shall be packaged and shipped in accordance with Invotec's best judgment. Special packaging or shipping instructions must be noted on the original order and acknowledged by Invotec.
- C. Shipment is F.O.B. Jacksonville, FL.
- D. Shipment dates are based on Invotec's best estimates. Invotec will exercise its best efforts to ship on schedule, but shall not be liable for damage or loss because of any delay in delivery.
- E. Invotec reserves the right to fill any order by complete or partial shipments unless otherwise agreed.
- F. Invotec's responsibility for loss or damage to goods ends upon delivery of those goods to the transporting company. If Invotec paid for shipping, we will assist you in any reasonable manner in filing claims for damaged or lost merchandise.
- G. Invotec shall not be liable for any failure or delay in delivery caused in whole or in part by any governmental act or regulation, civil commotion, delay of carriers, destruction of plants, fire, inability to obtain materials or shipping space, lockouts, strikes, wars, or any other cause beyond our control.

### COMPLAINT HANDLING

If you encounter a problem or complaint, please do the following: 1) obtain all relevant facts, including the name of user, address, phone number, merchandise number, lot/serial number, date of occurrence and description of circumstances or nature of problem; and 2) report information immediately to Invotec's Customer Service Department at the number listed above. Every effort will be made to address and resolve problems in a manner consistent with our goal of providing quality merchandise and services.

### RETURNED GOODS POLICY

No merchandise may be returned without the prior authorization of Invotec. All returns must be accompanied by a Returned Goods Authorization (RGA) number. This number can be obtained by calling our Customer Service Department. To request an RGA number, please have the following information when calling Customer Service: 1) original invoice number or purchase order number, 2) sales order number, 3) catalog number, 4) quantity, 5) lot number, 6) and reason for return. Please display the RGA number prominently on the box and include it on all paperwork. All authorized returns must be sent freight prepaid.

- A. All returned merchandise must be in its original package. Any merchandise returned that is obsolete, beyond its expiration date, defaced, altered, damaged or has come in contact with body tissue or fluids will not be eligible for return or credit. Sterile merchandise must be returned in full-box quantities with the outer seals intact.
- B. Merchandise returned in unopened, unused, undamaged condition within 60 days of the date of purchase will be credited at the customer's purchase price.
- C. Merchandise returned unused after 60 days and before 180 days from date of purchase will be credited at actual purchase prices less 25% restocking fees.
- D. Merchandise returned after 180 days from date of purchase is not eligible for return or credit.
- E. Altered or custom made items are not eligible for return or credit.
- F. If you are enrolled in the New Product Evaluation Guarantee Program and have a return, Invotec will refund you the purchase price for product purchased on an initial evaluation order subject to the conditions outlined in your warranty.
- G. Merchandise returned without prior authorization or not in accordance with the terms and conditions outlined above will be returned to the customer at the customer's expense.

### RETURN OF MERCHANDISE FOR REPAIR

To arrange for the return of merchandise for repair, call Customer Service at (800) 998-8580 to obtain a Returned Goods Authorization (RGA) number and to schedule the repair. Please have the original invoice number or purchase order number available to assist in verifying warranty information.

A purchase order number is required to process all repairs. After obtaining a RGA number, Customer Service will inform you of the repair charge that will be billed to your purchase order.

The RGA number should be prominently displayed on the box and should be included on all paperwork enclosed with the merchandise requiring repair. Merchandise returned for repair should be safely packaged in protective wrapping. Customer must include with the returned merchandise the 1) purchase order number, 2) correct shipping and billing address, and 3) Repair Order Form or customer statement of problem/reason for repair.

### ALL REPAIRS SHOULD BE SHIPPED FREIGHT PREPAID TO:

Invotec International, Inc.  
6833 Phillips Industrial Blvd.  
Jacksonville, FL 32256  
ATTN: RGA # \_\_\_\_\_

### IMPORTANT

Due to the potential threat to health, all instruments and devices returned for repair must have been decontaminated and/or sterilized. Any product received in an unsanitary condition will be deemed un-repairable and discarded unless Invotec is able to sterilize or decontaminate the product. An additional service fee of \$250.00 will be applied to the cost of the repair of any product requiring sterilization or decontamination by Invotec.

### LOANER POLICY FOR REPAIRS

Loaners for merchandise that is being repaired under warranty are provided at no charge and must be returned to Invotec within ten (10) days after customer's receipt of repaired merchandise. If the loaner is not returned within the allotted timeframe, Invotec reserves the right to charge a daily rental fee. Rental fees will continue to be charged until the loaner is returned to Invotec.

Customer shall be responsible for any damage to loaner equipment while in customer's possession or during shipping back to Invotec. Customer is responsible for all shipping charges associated with the loaner's return.

### REPAIR WARRANTIES

All repairs are warranted to be free from defects in material and workmanship for ninety (90) days after the date of shipment.

### CHANGES TO TERMS

Invotec retains the right to change any of these terms or conditions without notice.

### WARRANTY

Invotec International, Inc. warrants that the merchandise is free from defects in material and workmanship. Invotec will replace or provide a refund for any merchandise found to be defective so long as the merchandise is returned according to the Returned Goods Policy. Invotec shall not be liable for any consequential loss, damage or expense directly or indirectly arising from the use or misuse of, or inability to use, this merchandise. **THE FOREGOING WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, HOWEVER ARISING, INCLUDING MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AGAINST INFRINGEMENT OR OTHERWISE.** Invotec neither assumes nor authorizes any person to assume for it, any other additional liability or responsibility with respect to this merchandise.

## Care and Handling of Surgical Instruments

The methods discussed have been validated for cleaning and sterilizing medical devices distributed by Invotec International and other fine surgical instrument suppliers. They have been developed using standard equipment and practices common to most health care facilities. Manual cleaning methods, steam and ETO sterilization were used as much as possible.

The Sterilization Guidelines presented are based on type of product, placed into specific categories.

| Category                                                             | Type of Product                                                                                                |
|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Instruments with rough surfaces                                      | Applicators, burs, rasps, brushes, curettes                                                                    |
| Instruments with sliding hinges                                      | Adenotomes, forceps, punches, rongeur                                                                          |
| Instruments with screw pivot hinges                                  | Scissors, specula, retractors, calipers                                                                        |
| Instruments whose surfaces that can be marred, scored, or scratched. | Mallet heads, cutting blocks, Instruments made of or having Delrin® (Dupont™) surfaces, specula, mixing bowls. |
| Instruments with lumens and channels                                 | Suction tips, cannulas, needles.                                                                               |

### Recommended Cleaning Supplies:

- Enzyme solution (i.e. Klenzyme®), detergent (Manu-Klenz®) lukewarm water, soft bristle brush, and a clean soft towel.
- Detergents: Proteolytic enzymatic detergents with a pH range between 6.0 and 8.0 should be used. These detergents have nonionic surfactants. Detergents should be used in a concentration level recommended by the manufacturer. NOTE: Undiluted detergents and those with pH's greater than 8.0 can strip the coloration from metal instruments.
- Ultrasonic Cleaners designed for fine cleaning of medical devices.

### Cleaning Procedure:

1. Soak for a minimum of two (2) minutes in enzyme solution
2. Rinse thoroughly under lukewarm water
3. Manually clean with a soft bristle brush while immersed in a detergent solution, paying close attention to crevices and hard-to-clean areas.
  - a. If using a power washer, close adherence to washer manufacturers' procedures should be followed.
4. Rinse thoroughly under lukewarm water
5. Dry with a clean soft cloth
6. Visibly examine for damage, rust deposits, and cleanliness.

## Sterilization Recommendations

| Device Type                   | Prevacuum Wrapped | Prevacuum Unwrapped | Gravity Unwrapped | Gravity wrapped | EO  | Chemical Disinfectant | Chemical Sterilant | Peracetic Acid | Gas Plasma |
|-------------------------------|-------------------|---------------------|-------------------|-----------------|-----|-----------------------|--------------------|----------------|------------|
| Rough Surfaces                | YES               | YES                 | YES               | YES             | YES | YES                   | YES                | YES            | YES        |
| Sliding Hinges                | YES               | YES                 | YES               | YES             | YES | YES                   | YES                | YES            | YES        |
| Lever Hinges                  | YES               | YES                 | YES               | YES             | YES | YES                   | YES                | YES            | YES        |
| Screw Pivot                   | YES               | YES                 | YES               | YES             | YES | YES                   | YES                | YES            | YES        |
| Lumens                        | YES               | YES                 | YES               | YES             | YES | YES                   | YES                | NO             | YES        |
| Sterilization Trays           | YES               | YES                 | YES               | YES             | YES | YES                   | YES                | <b>NO</b>      | <b>NO</b>  |
| Steam Sterilizable Endoscopes | YES               | YES                 | YES               | YES             | YES | YES                   | YES                | YES            | YES        |

A “**NO**” indicates Invotec International does not have the data to support the recommendation of the specific method of sterilization for a given category.

### Cycle Parameters

Prevacuum Cycle (wrapped and unwrapped): Three (3) preconditioning pulses with a minimum exposure time of 4 minutes at 270°F (132°C).

Gravity Cycle (wrapped): 270°F (132°C) with a minimum exposure time of 15 minutes.

Gravity Cycle (Unwrapped): 270°F (132°C) with a minimum exposure time of 10 minutes.

### Ethylene Oxide Cycle

| Sterilant                                    | Temperature  | Humidity | Preconditioning | Concentration | Exposure        |
|----------------------------------------------|--------------|----------|-----------------|---------------|-----------------|
| 100% EO                                      | 131°F (55°C) | 65-75%   | 1 hour          | 725 mg/l      | 120-360 minutes |
| Aerate a minimum of 12 hours at 131°F (55°C) |              |          |                 |               |                 |

### Liquid Chemical Cycle

| Concentration of Glutaraldehyde | Temperature | Exposure for Disinfection | Exposure for Sterilization |
|---------------------------------|-------------|---------------------------|----------------------------|
| 2.4%                            | 77°F (25°C) | 45 minutes                | 10 hours                   |

- **Implants** are sold as one-time use items and not intended for re-sterilization.
- Most reusable instruments are sold nonsterile. These devices should be placed into suitable packaging for the sterilization process (i.e., central supply wrap (CSR), autoclave bags, paper/Tyvek® pouches, dedicated sterilization trays and sterilized prior to use. **All instruments should be examined and cleaned prior to sterilization.**

**QUALITY**

**INNOVATION**

**TECHNOLOGY**

To order Invotec products or for more information, please contact:

6833 Phillips Industrial Boulevard • Jacksonville, Florida 32256 • U.S.A.  
Tel: 800-998-8580 • Fax: 904-886-9517 • [www.invotec.net](http://www.invotec.net)