



ENT

Consumables



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Suction Tube for Ear (Disposable)



Suction tubes for Ear are designed for suction of fluid and other substances from the ear. The malleable shaft allows for additional bending. Fine suction devices for even the narrowest approaches.

Design Benefits:

- Very stable suction tube for retraction and suction.
- The curved angle is specially designed for microscopic examination and surgery.
- Ideal for precise dissections.
- Quick connector suction tip handle is easy to change during surgery.
- Reduces unnecessary infection risks.



Reference	Description	Unit/Box
FI153080	Suction Tube for Ear-Disposable (3.0Dia.x 80)mm	50 pcs
FI152580	Suction Tube for Ear-Disposable (2.5Dia.x80)mm	50 pcs
FI1525100	Suction Tube for Ear-Disposable (2.5Dia.x100)mm	50 pcs
FI152060	Suction Tube for Ear-Disposable (2.0Dia.x60)mm	50 pcs
FI152070	Suction Tube for Ear-Disposable (2.0Dia.x70)mm	50 pcs
FI152080	Suction Tube for Ear-Disposable (2.0Dia.x80)mm	50 pcs
FI10110	Suction Tube for Ear-Disposable (2.0Dia.x100)mm	50 pcs
FI151670	Suction Tube for Ear-Disposable (1.6Dia.x70)mm	50 pcs
FI10111	Suction Tube for Ear-Disposable (1.6Dia.x100)mm	50 pcs
FI10112	Suction Tube for Ear-Disposable (1.4Dia.x100)mm	50 pcs
FI151480	Suction Tube for Ear-Disposable (1.4Dia.x80)mm	50 pcs
FI151470	Suction Tube for Ear-Disposable (1.4Dia.x70)mm	50 pcs
FI151460	Suction Tube for Ear-Disposable (1.4Dia.x60)mm	50 pcs
FI10113	Suction Tube for Ear-Disposable(1.2Dia.x100)mm	50 pcs
FI151270	Suction Tube for Ear-Disposable (1.2Dia.x70)mm	50 pcs
FI10114	Suction Tube for Ear-Disposable (1.0Dia.x100)mm	50 pcs
FI151080	Suction Tube for Ear-Disposable (1.0Dia.x80)mm	50 pcs
FI151070	Suction Tube for Ear-Disposable (1.0Dia.x70.0)mm	50 pcs
FI151060	Suction Tube for Ear-Disposable (1.0Dia.x60.0)mm	50 pcs
FI10115	Suction Tube for Ear-Disposable (0.8Dia.x100)mm	50 pcs
FI150870	Suction Tube for Ear-Disposable (0.8Dia.x70)mm	50 pcs
FI10116	Suction Tube for Ear-Disposable (0.7Dia.x100)mm	50 pcs
FI150780	Suction Tube for Ear-Disposable (0.7Dia.x80)mm	50 pcs
FI150770	Suction Tube for Ear-Disposable (0.7Dia.x70)mm	50 pcs
FI150760	Suction Tube for Ear-Disposable (0.7Dia.x60)mm	50 pcs
FI150670	Suction Tube for Ear-Disposable (0.6Dia.x70)mm	50 pcs
FI10117	Suction Tube for Ear-Disposable (0.4Dia.x100)mm	50 pcs
FI150480	Suction Tube for Ear-Disposable (0.4Dia.x80)mm	50 pcs
FI150470	Suction Tube for Ear-Disposable (0.4Dia.x70)mm	50 pcs
FI150460	Suction Tube for Ear-Disposable (0.4Dia.x60)mm	50 pcs
FI10120	Suction Tube for Ear-Disposable-SET*	8 pcs

* F10110, F10111, F10112, F10113, F10114, F10115, F10116, F10117

Suction Tube for Nose (Disposable)



Suction tubes for Nose are used during rhinology and evacuates liquid from nasal cavities.

Design Benefits:

- Very stable suction tube for retraction and suction.
- The curved angle is specially designed for microscopic examination and surgery.
- Ideal for precise dissections.
- Quick connector suction tip handle is easy to change during surgery.
- Reduces unnecessary infection risks.



Reference	Description	Unit/Box
FI1220100	Suction Tube for Nose-Disposable (2.0Dia.x100)mm	25 pcs
FI1220120	Suction Tube for Nose-Disposable (2.0Dia.x120)mm	25 pcs
FI1220140	Suction Tube for Nose-Disposable (2.0Dia.x140)mm	25 pcs
FI1220150	Suction Tube for Nose-Disposable (2.0Dia.x150)mm	25 pcs
FI1220160	Suction Tube for Nose-Disposable (2.0Dia.x160)mm	25 pcs
FI1225120	Suction Tube for Nose-Disposable (2.5Dia.x120)mm	25 pcs
FI1230100	Suction Tube for Nose-Disposable (3.0Dia.x100)mm	25 pcs
FI1230120	Suction Tube for Nose-Disposable (3.0Dia.x120)mm	25 pcs
FI1230140	Suction Tube for Nose-Disposable (3.0Dia.x140)mm	25 pcs
FI1230150	Suction Tube for Nose-Disposable (3.0Dia.x150)mm	25 pcs
FI1230160	Suction Tube for Nose-Disposable (3.0Dia.x160)mm	25 pcs
FI1235120	Suction Tube for Nose-Disposable (3.5Dia.x120)mm	25 pcs
FI1235140	Suction Tube for Nose-Disposable (3.5Dia.x140)mm	25 pcs
FI1235160	Suction Tube for Nose-Disposable (3.5Dia.x160)mm	25 pcs
FI1240100	Suction Tube for Nose-Disposable (4.0Dia.x100)mm	25 pcs
FI1240120	Suction Tube for Nose-Disposable (4.0Dia.x120)mm	25 pcs
FI1240140	Suction Tube for Nose-Disposable (4.0Dia.x140)mm	25 pcs
FI1240150	Suction Tube for Nose-Disposable (4.0Dia.x150)mm	25 pcs
FI1240160	Suction Tube for Nose-Disposable (4.0Dia.x160)mm	25 pcs
FI1250120	Suction Tube for Nose-Disposable (5.0Dia.x120)mm	25 pcs
FI1250140	Suction Tube for Nose-Disposable (5.0Dia.x140)mm	25 pcs
FI1250160	Suction Tube for Nose-Disposable (5.0Dia.x160)mm	25 pcs

Suction Tube for Throat & Sinus (Disposable)



Suction tubes for Throat and Sinus are used to remove excess amount of foreign body material from throat and sinus.

Design Benefits:

- Very stable suction tube for retraction and suction.
- The shaft is slightly curved
- Reduces unnecessary infection risks.

Reference	Description	Unit/Box
FI1620250	Suction Tube for Throat-Disposable (2.0Dia.x250)mm	50 pcs
FI1630250	Suction Tube for Throat-Disposable (3.0Dia.x250)mm	50 pcs
FI1825150	Suction Tube for Sinus-Disposable (2.5Dia.x150)mm	50 pcs
FI1830150	Suction Tube for Sinus-Disposable (3.0Dia.x150)mm	50 pcs
FI1840150	Suction Tube for Sinus-Disposable (4.0Dia.x150)mm	50 pcs



Suction Tube for Throat and its tip close-up
(Material: SS and Polyethylene)



Suction Tube for Sinus and its tip close-up
(Material: SS and Polyethylene)

REF	Description	Unit/Box
FI0968	Black Suction Controller, Lenght : 39mm	50 pcs
MI0990	White Suction Controller, Lenght : 80mm	25 pcs



During the suction procedure, the level of suction is determined, and a suction controller is required to achieve that precise level. The suction level is controlled using a thumb vent mechanism.

Design Benefits:

- Assemble with the desired gauge of suction tube for a precise and controllable procedure / Easy to handle
- Material: Polyethylene



Ventilation Tubes



Material: CP Titanium Medical Grade

REF Number	Inner Diameter	Inner Flange Diameter	Outer Flange Diameter	Total Length	Units/Box
F1104	1.40	2.55	2.55	1.20	10 Units, Gamma Sterile
F1105	1.30	2.55	2.55	1.20	10 Units, Gamma Sterile
F1106	1.50	2.75	2.75	1.20	10 Units, Gamma Sterile

Tita-prosthesis Vent Tube type collar Button

Material: CP Titanium Medical Grade

REF Number	Inner Diameter	Inner Flange Diameter	Outer Flange Diameter	Total Length	Units/Box
F1151	1.14	2.40	2.40	2.20	10 Units, Gamma Sterile



Shepard-Titanium



Material : Fluoroplastic

REF Number	Inner Diameter	Inner Flange Diameter	Outer Flange Diameter	Total Length	Units/Box
F2109	1.14	3.54	2.40	3.85	10 Units, ETO Sterile
F2109B	1.14	3.54	2.40	3.85	10 Units, ETO Sterile
F2109T	1.14	3.54	2.40	3.85	10 Units, ETO Sterile

Armstrong, Armstrong Blue, Armstrong with Tail

Material : Fluoroplastic

REF Number	Inner Diameter	Inner Flange Diameter	Outer Flange Diameter	Total Length	Units/Box
F2110	1.14	3.46	2.50	3.04	10 Units, ETO Sterile
F2110B	1.14	3.46	2.50	3.04	10 Units, ETO Sterile
F2110T	1.14	3.46	2.50	3.04	10 Units, ETO Sterile



Modified Armstrong, Modified Armstrong Blue, Modified Armstrong with Tail



Material : Fluoroplastic

REF Number	Inner Diameter	Inner Flange Diameter	Outer Flange Diameter	Total Length	Units/Box
F2136	1.27	2.8	2.8	2.2	10 Units, ETO Sterile
F2136B	1.27	2.8	2.8	2.2	10 Units, ETO Sterile

Baxter Beveled Bobbin, Baxter Beveled Bobbin Blue

Material : Fluoroplastic

REF Number	Inner Diameter	Inner Flange Diameter	Outer Flange Diameter	Total Length	Units/Box
F2137	1.14	2.3	2.3	1.6	10 Units, ETO Sterile
F2137B	1.14	2.3	2.3	1.6	10 Units, ETO Sterile



Reuter Bobbin, Reuter Bobbin Blue

Ventilation Tubes



Material : Fluoroplastic

REF Number	Inner Diameter	Inner Flange Diameter	Outer Flange Diameter	Total Length	Units/Box
F2114	1.14	2.4	2.4	2.2	10 Units, ETO Sterile
F2114B	1.14	2.4	2.4	2.2	10 Units, ETO Sterile
F2114T	1.14	2.4	2.4	2.2	10 Units, ETO Sterile
F2114W	1.14	2.4	2.4	2.2	10 Units, ETO Sterile
F2114BW	1.14	2.4	2.4	2.2	10 Units, ETO Sterile
F2114BT	1.14	2.4	2.4	2.2	10 Units, ETO Sterile
F2138	1.00	2.4	2.4	2.2	10 Units, ETO Sterile
F2138W	1.00	2.4	2.4	2.2	10 Units, ETO Sterile
F2138T	1.00	2.4	2.4	2.2	10 Units, ETO Sterile
F2138B	1.00	2.4	2.4	2.2	10 Units, ETO Sterile
F2138BW	1.00	2.4	2.4	2.2	10 Units, ETO Sterile
F2138BT	1.00	2.4	2.4	2.2	10 Units, ETO Sterile



Material : Fluoroplastic

REF Number	Inner Diameter	Inner Flange Diameter	Outer Flange Diameter	Total Length	Units/Box
F2112	1.14	3.4	2.3	2.4	10 Units, ETO Sterile
F2112B	1.14	3.4	2.3	2.4	10 Units, ETO Sterile
F2112T	1.14	3.4	2.3	2.4	10 Units, ETO Sterile
F2112W	1.14	3.4	2.3	2.4	10 Units, ETO Sterile
F2112BW	1.14	3.4	2.3	2.4	10 Units, ETO Sterile
F2112BT	1.14	3.4	2.3	2.4	10 Units, ETO Sterile
F2113	0.76	2.2	1.5	1.5	10 Units, ETO Sterile
F2113B	0.76	2.2	1.5	1.5	10 Units, ETO Sterile
F2113T	0.76	2.2	1.5	1.5	10 Units, ETO Sterile
F2113W	0.76	2.2	1.5	1.5	10 Units, ETO Sterile



Material : Fluoroplastic

REF Number	Inner Diameter	Inner Flange Diameter	Outer Flange Diameter	Total Length	Units/Box
F2124	1.14	2.3	2.3	2.2	10 Units, ETO Sterile
F2124B	1.14	2.3	2.3	2.2	10 Units, ETO Sterile



Material : Fluoroplastic

REF Number	Inner Diameter	Inner Flange Diameter	Outer Flange Diameter	Total Length	Units/Box
F2117	1.14	2.8	2.8	1.7	10 Units, ETO Sterile
F2117B	1.14	2.8	2.8	1.7	10 Units, ETO Sterile



Material : Fluoroplastic

REF Number	Inner Diameter	Inner Flange Diameter	Outer Flange Diameter	Total Length	Units/Box
F2116	1.14	2.7	1.54	7.25	10 Units, ETO Sterile



Ventilation Tubes



Material : Fluoroplastic

REF Number	Inner Diameter	Inner Flange Diameter	Outer Flange Diameter	Total Length	Units/Box
F2123	1.27	3.0	3.0	2.15	10 Units, ETO Sterile
F2123B	1.27	3.0	3.0	2.15	10 Units, ETO Sterile
F2123T	1.27	3.0	3.0	2.15	10 Units, ETO Sterile
F2125	1.14	2.50	2.50	2.0	10 Units, ETO Sterile
F2125B	1.14	2.50	2.50	2.0	10 Units, ETO Sterile
F2125T	1.14	2.50	2.50	2.0	10 Units, ETO Sterile



Collar Button (ID 1.27mm)
Collar Button (ID 1.14mm)



Donaldson Silicone

Material: Clear Medical Grade Silicone

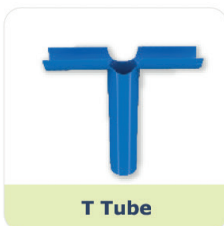
REF Number	Inner Diameter	Inner Flange Diameter	Outer Flange Diameter	Total Length	Units/Box
F3111	1.10	2.3	2.3	2.2	10 Units, ETO Sterile

Material: Clear Medical Grade Silicone

REF Number	Inner Diameter	Inner Flange Diameter	Outer Flange Diameter	Total Length	Units/Box
F3126	1.10	3.5	2.5	1.6	10 Units, ETO Sterile



Pararella



T Tube

Material: Clear Medical Grade Silicone

REF Number	Inner Diameter	Inner Flange Diameter	Total Length	Units/Box
F3115S	1.14	8.0	6.0	10 Units, ETO Sterile
F3115M	1.14	8.0	9.0	10 Units, ETO Sterile
F3115L	1.14	8.0	12.0	10 Units, ETO Sterile

Material : Silver Plated Gold

REF Number	Inner Diameter	Inner Flange Diameter	Outer Flange Diameter	Total Length	Units/Box
F1170	1.25	2.55	2.55	1.20	10 Units, ETO Sterile



Gold Vent Tube Type
Collar Button with Wire

B - Blue, T - Tail, W - Wire, All dimensions are in MM

Ear Specula (Single Use)



EAR Specula

Unit/Box
100 Units, Non-Sterile

Material : Polyethylene

REF Number	Tip Diameter
FI0951	3mm
FI0952	4mm
FI0953	5mm
FI0954	6mm



Material: Clear Medical Grade Silicone

REF Number	Descriptions	Size(cm)	Units/Box
F3145S	Nasal Septal Button - Standard	3.0	1 Units, ETO Sterile
F3145L	Nasal Septal Button - Large	5.0	1 Units, ETO Sterile
F3145E	Nasal Septal Button - Elliptical	3.0	1 Units, ETO Sterile
F3145EL	Nasal Septal Button - Elliptical Large	5.0	1 Units, ETO Sterile

Material: Clear Medical Grade Silicone

REF Number	Descriptions	Units/Box
F3147S	Internal Nasal Airway Splint - Standard	10 Pairs , ETO Sterile
F3147L	Internal Nasal Airway Splint - Large	10 Pairs , ETO Sterile
F3147P	Internal Nasal Pre-cut Splint	10 Pairs , ETO Sterile



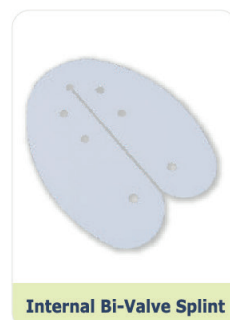
Material: Clear Medical Grade Silicone

REF Number	Size (mm)	Thickness (mm)	Units/Box
F3146S	55x75	3.00	10 Units, ETO Sterile
F3146T	55x75	5.00	10 Units, ETO Sterile
F3146NS	55x75	1.00	10 Units, ETO Sterile
F3146MS	55x75	0.50	10 Units, ETO Sterile
F3146US	55x75	0.25	10 Units, ETO Sterile
F3146UUS	38x50	0.13	10 Units, ETO Sterile



Material: Medical Grade Silicone & Fluoroplastic

REF Number	Descriptions	Thickness (mm)	Units/Box
F3148SS	Silicone-standard	0.50	10 Pairs, ETO Sterile
F3148ST	Silicone-Thick	1.00	10 Pairs, ETO Sterile
F3148FS	Fluoroplastic-Standard	0.50	10 Pairs, ETO Sterile
F3148FT	Fluoroplastic-Thin	0.25	10 Pairs, ETO Sterile
F3148FSP	Pediatric-Standard	0.50	10 Pairs, ETO Sterile
F3148FTP	Pediatric-Thin	0.25	10 Pairs, ETO Sterile





Material: Clear Medical Grade Silicone

REF Number	Size (mm)	Thickness (mm)	Units/Box
F3146BS	50x30	10.00	1 Units, ETO Sterile
F3146BM	60x40	15.00	1 Units, ETO Sterile
F3146BL	70x50	20.00	1 Units, ETO Sterile

REF Number	Descriptions	Units/Box
F5150S	External Thermoplastic Splint Small	25 Units, ETO Sterile
F5150M	External Thermoplastic Splint Medium	25 Units, ETO Sterile
F5150L	External Thermoplastic Splint Large	25 Units, ETO Sterile



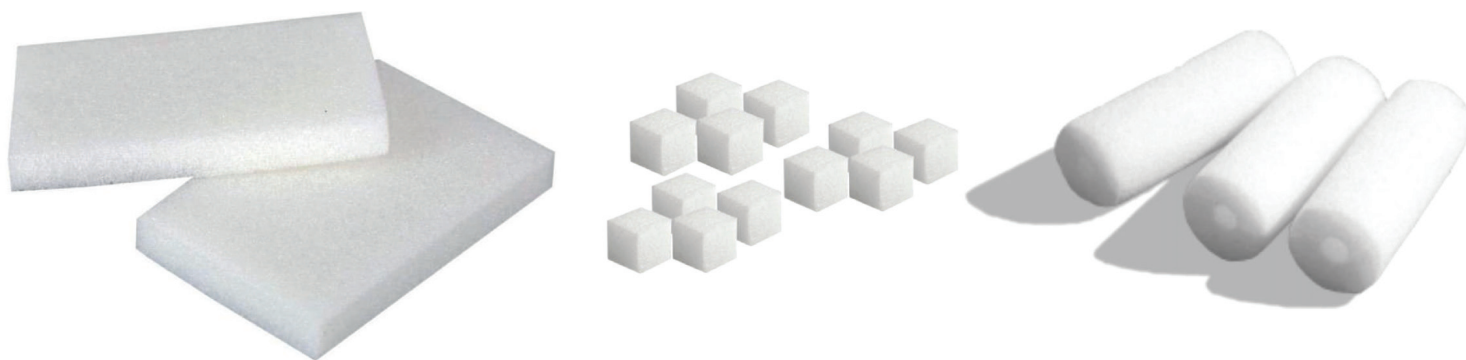
REF Number	Descriptions	Units/Box
F6149S	External Aluminium Splint Small	25 Units, ETO Sterile
F6149M	External Aluminium Splint Medium	25 Units, ETO Sterile
F6149L	External Aluminium Splint Large	25 Units, ETO Sterile



Material: Medical Grade Silicone

REF Number	Product Name	Specification	Units/Box
F31030	Epistaxis Balloon Catheter Intra-Pack	30 CC	10 Units, ETO Sterile
F31010	Epistaxis Balloon Catheter Post-Pack	10 CC	10 Units, ETO Sterile
F31031	Epistaxis Balloon Catheter Double Balloon	30/10 CC	10 Units, ETO Sterile

Gelatin Sponges



Absorbable Haemostatic Gelatin Sponges

REF Number	Product	Specification	Units & Box
F91018050	Gelatin Sponge	80mm x 50mm x 1mm	20 Units, Gamma Sterile
F91017050	Gelatin Sponge	70mm x 50mm x 1mm	20 Units, Gamma Sterile
F91048050	Gelatin Sponge Bilateral	80mm x 50mm x 4mm	10 Units, Gamma Sterile
F91048025	Gelatin Sponge Unilateral	80mm x 25mm x 4mm	10 Units, Gamma Sterile
F91078020	Gelatin Sponge	60mm x 20mm x 7mm	10 Units, Gamma Sterile
F91078015	Gelatin Sponge Nasal	80mm x 15mm x 7mm	10 Units, Gamma Sterile
F91078025	Gelatin Sponge Gyanec	80mm x 25mm x 7mm	10 Units, Gamma Sterile
F91072020	Gelatin Sponge	20mm x 20mm x 7mm	10 Units, Gamma Sterile
F91108050	Gelatin Sponge	80mm x 50mm x 10mm	10 Units, Gamma Sterile
F91107050	Gelatin Sponge	70mm x 50mm x 10mm	10 Units, Gamma Sterile
F91108040	Gelatin Sponge Sterifen	80mm x 40mm x 10mm	10 Units, Gamma Sterile
F91108020	Gelatin Sponge Strip	80mm x 20mm x 10mm	10 Units, Gamma Sterile
F9115200	Gelatin Sponge	200mm x 150mm x 15mm	10 Units, Gamma Sterile

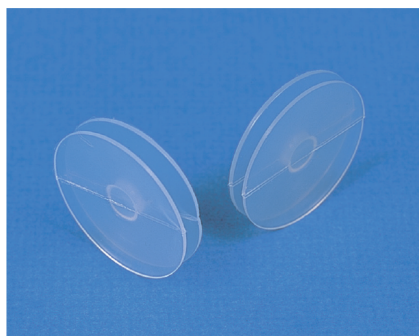
Absorbable Haemostatic Gelatin Sponges

REF Number	Product	Specification	Units & Box
F911010	Gelatin Sponge Dental	10mm x 10mm x 10mm	32 Units, Gamma Sterile
F911030	Gelatin Sponge Dial	30mm x 30mm x 10mm	10 Units, Gamma Sterile
F9110120	Gelatin Sponge 120	120mm x 100mm x 10mm	02 Units, Gamma Sterile
F9110125	Gelatin Sponge	125mm x 80mm x 10mm	02 Units, Gamma Sterile
F9110250	Gelatin Sponge 250	250mm x 80mm x 10mm	02 Units, Gamma Sterile
F9105200	Gelatin Sponge Film	200mm x 70mm x 0.5mm	10 Units, Gamma Sterile
F910203	Gelatin Sponge MicroSponge	3mm x 2mm x 2mm	200 Units, Gamma Sterile
F910404	Gelatin Sponge MicriSponge	4mm x 4mm x 4mm	100 Units, Gamma Sterile
F918005	Gelatin Sponge Nasal Tampon	5mm Dia x 80mm	10 Units, Gamma Sterile
F918030	Gelatin Sponge Anal Tampon	30mm Dia x 80mm	06 Units, Gamma Sterile
F911208	Gelatin Sponge dental Tampon	8mm Dia x 12mm	32 units, Gamma Sterile
F9101	Gelatin Powder	1 Gram	06 Units, Gamma Sterile



Sheeting and Tubing

Number	I.D. x O.D.	Qty/box	Number	I.D. x O.D.	Length	
STERILE			NON-STERILE			
20-10680	55 mm x 75 mm x 1.0 mm (2.2 x 3.0 x .040")	5 pair	50-01101	0.012 x 0.025	50'	
20-10680S	55 mm x 75mm x 1.0 mm (2.2 x 3.0 x .040")	10	50-01111	0.020 x 0.037	50'	
20-10681	55mm x 75mm x 0.25mm (2.2 x 3.0 x .010")	10	50-01121	0.025 x 0.047	50'	
20-10682	55 mm x 75 mm x 0.5 mm (2.2 x 3.0 x .020")	5 pair	50-01131	0.030 x 0.065	50'	
20-10682S	55 mm x 75 mm x 0.5 mm (2.2 x 3.0 x .020")	10	50-01141	0.040 x 0.085	50'	
20-10685	38 mm x 51 mm x .13 mm (1.5 x 2.0 x .005")	10	50-01151	0.058 x 0.077	50'	
20-10685B	38 mm x 51 mm x .13 mm (1.5 x 2.0 x .005")	10	50-01161	0.062 x 0.095	50'	
20-10686	55 mm x 75 mm x 1.5 mm (2.2 x 3.0 x .060")	5 pair	50-01171	0.062 x 0.125	50'	
20-10686S	55 mm x 75 mm x 1.5 mm (2.2 x 3.0 x .060")	10	50-01181	0.078 x 0.125	50'	
NON-STERILE			50-01191	0.104 x 0.192	50'	
20-20680	11 cm x 15 cm x 1.0 mm (4.5 x 6.0 x .040")	10	50-01201	0.118 x 0.181	50'	
20-20682	11 cm x 15 cm x 0.5 mm (4.5 x 6.0 x .020")	10	50-01211	0.125 x 0.250	50'	
20-20685	11 cm x 15 cm x .13 mm (4.5 x 6.0 x .005")	10	50-01221	0.132 x 0.183	50'	
20-20686	11 cm x 15 cm x 1.5 mm (4.5 x 6.0 x .060")	10	50-01231	0.157 x 0.257	50'	
20-30002	30 cm x 30 cm x .06 mm (12 x 12 x .0025")	1	50-01241	0.188 x 0.313	50'	
20-30005	30 cm x 30 cm x .13 mm (12 x 12 x .005")	1	50-01251	0.188 x 0.375	50'	
20-30007	30 cm x 30 cm x .18 mm (12 x 12 x .007")	1	50-01261	0.250 x 0.375	50'	
20-30010	30 cm x 30 cm x .25 mm (12 x 12 x .010")	1	50-01271	0.250 x 0.438	50'	
20-30015	30 cm x 30 cm x .38 mm (12 x 12 x .015")	1	50-01281	0.250 x 0.500	50'	
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	IMPLANTABLE GRADE SILICONE BLOCKS			
20-30040	30 cm x 30 cm x 1.0 mm (12 x 12 x .040")	1	• White			
20-30050	30 cm x 30 cm x 1.25 mm (12 x 12 x .050")	1	• Radiopaque			
20-30060	30 cm x 30 cm x 1.5 mm (12 x 12 x .060")	1	Number	A	B	C
20-30015R	30 cm x 30 cm x .38 mm (12 x 12 x .015") Reinforced	1	SB-01	5.0 cm	3.0 cm	1.0 cm
20-30020R	30 cm x 30 cm x .50 mm (12 x 12 x .020") Reinforced	1	SB-02	6.0 cm	4.0 cm	1.5 cm
20-30030R	30 cm x 30 cm x .75 mm (12 x 12 x .030") Reinforced	1	SB-03	7.0 cm	5.0 cm	2.0 cm
20-30040R	30 cm x 30 cm x 1.0 mm (12 x 12 x .040") Reinforced	1				



INVOTEC SEPTAL BUTTONS

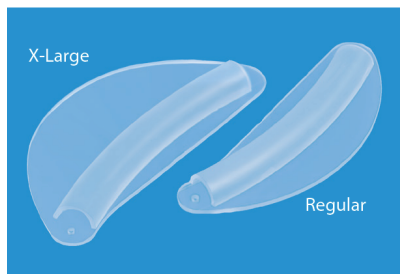
- For non-surgical closure of nasal perforations
- Can reduce or eliminate crusting, epistaxis, and other symptoms of nasal perforations
- Soft 100% medical grade silicone for patient comfort and ease of insertion
- Provided sterile, ready to use
- Trim to size or custom sizes available upon request

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

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.



Internal Nasal Splints

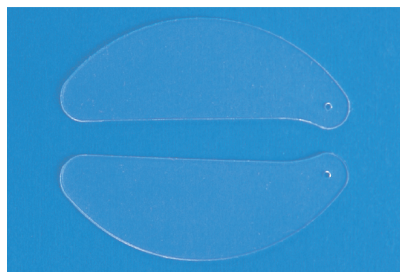


BREATHE-EASY™ SPLINT

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
- Provided sterile, ready to use

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
- Provided sterile, ready to use

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

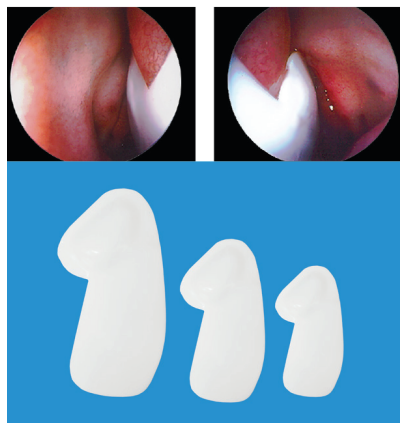


DEMPSEY SPLINT

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
- Provided sterile, ready to use

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



K-SPLINT™

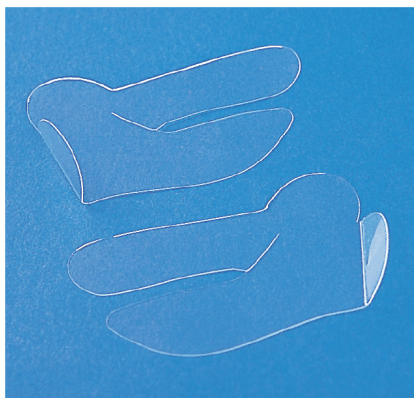
Designed to be used for endoscopic sinus surgery or any other procedure where middle turbinate adhesions or lateralizations are problematic

- Easy to shape and configure to patient's septum and middle turbinate anatomy
- Available in four sizes to reduce sizing time in the operating room
- Made of easy to see white malleable fluoroplastic
- Supplied sterile for immediate surgical usage
- Designed by J. Patrick Shea, M.D.

Number	Description	Qty/Box
20-10640	Small	5 pair
20-10641	Medium/Small	5 pair
20-10642	Medium	5 pair
20-10644	Large	5 pair



Internal Nasal Splints



GUASTELLA/MANTOVANI™ INTERNAL NASAL SPLINT

- Designed for functional and/or aesthetic rhinosurgery of the septal valve nose tip and nasal pyramid
- Shaped to support the tip of the nose
- Made from 100% Fluoroplastic
- Packaged sterile, ready to use

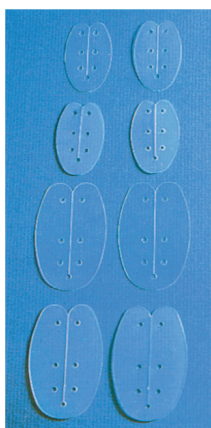
Number	Description	Thickness	Qty/Box
20-10630	Guastella/Mantovani Internal Nasal Splint	.25mm	5 pair

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

BIVALVE SPLINTS

Nasal Septal Splints

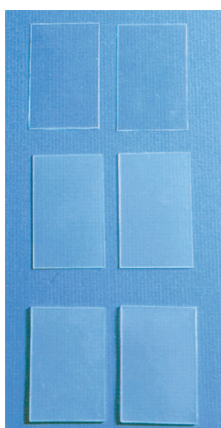
- 100% Fluoroplastic to reduce or prevent adhesions between the septum and lateral nasal wall
- Easy insertion and removal
- Pre-punched suture holes
- Over 30 years of clinical use
- Provided sterile and ready to use
- Sterile



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
- Provided sterile and ready to use
- 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
20-10682S	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



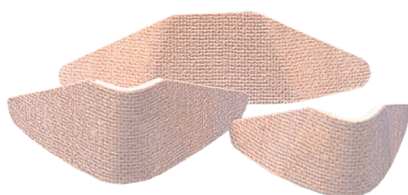
External Nasal Splints



SOFT-FORM™ THERMOPLASTIC NASAL SPLINT

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

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

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

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

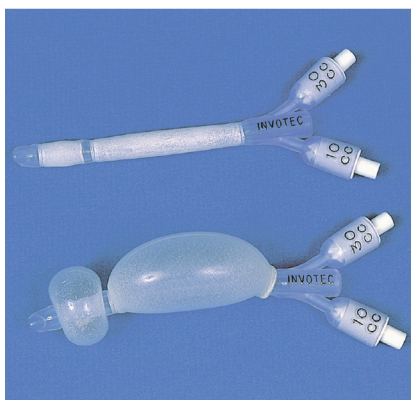
* Complete kits containing:

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

- (1) Dorsum pad
- (6) Sterile 12mm x 100mm closure tapes



Silicone Epistaxis Balloon

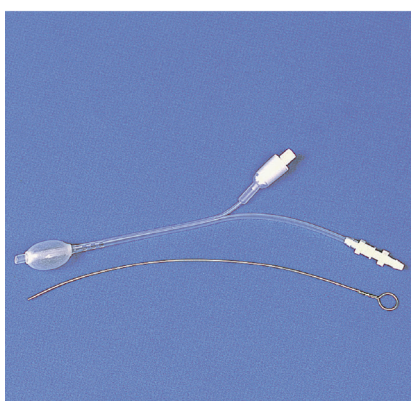


ULTRA-STAT™

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



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 Includes: 10 - 4 x 4" gauze sponges, 1 Telfa™ pad	Sterile	10 kits
90-15005	Soft Ear Dressing Kit 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

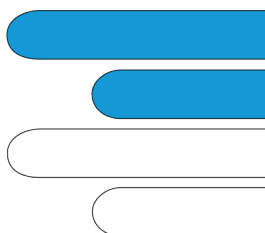


Number	Description		Qty/Box
90-20000	Malleable ear compression dressing		10



- 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
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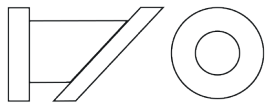


OTOLOGY PACKING STRIPS

- 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

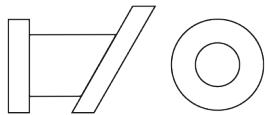
Number	Description	Dimensions	Qty/Box
27-10000	Clear silicone	6 x 20 x 0.13 mm	30
27-10000B	Blue silicone	6 x 20 x 0.13 mm	30
27-10001	Clear silicone	6 x 40 x 0.13 mm	30
27-10001B	Blue silicone	6 x 40 x 0.13 mm	30
20-10685	Clear silicone sheeting	38 x 50 x 0.13 mm	10
20-10685B	Blue silicone sheeting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

For a complete line of silicone sheeting available see Sheeting and Tubing.



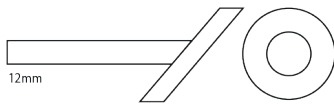
ARMSTRONG GROMMET

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



MODIFIED ARMSTRONG GROMMET

Number	Description	Material	ID	Qty/Box
23-40810	Modified Armstrong Grommet	Sterile FLPL	1.14mm	10
23-40820	Modified Armstrong Grommet	Sterile FLPL	1.14mm	10



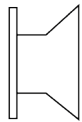
ARMSTRONG STRAIGHT SHANK

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



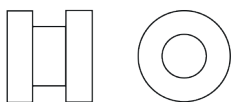
BAXTER BUTTON

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



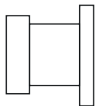
BEVELED BOBBIN

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



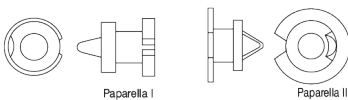
DONALDSON STYLE

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



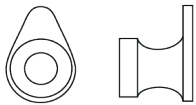
POPE BEVELED GROMMET

Number	Description		Material	ID	Qty/Box
23-41800	Angled Flanges, Blue	Sterile	PE	1.14 mm	10



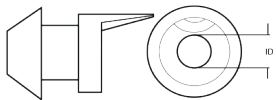
REUTER BOBBIN STYLE

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



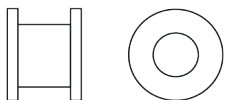
SHAH STYLE

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



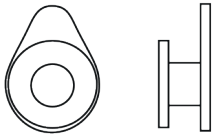
SHEEHY COLLAR BUTTON

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



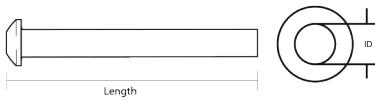
SHEPARD STYLE GROMMET

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



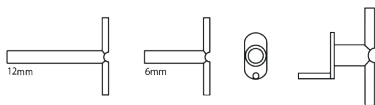
SPOON BOBBIN STYLE

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



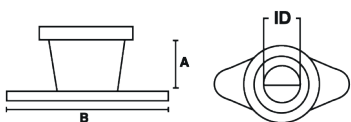
STRAIGHT SHANK VENT TUBE

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

Implants for Stapedioplasty



PLATINUM IMPLANTS/PTFE FOR STAPEDOTOMY AND STAPEDECTOMY

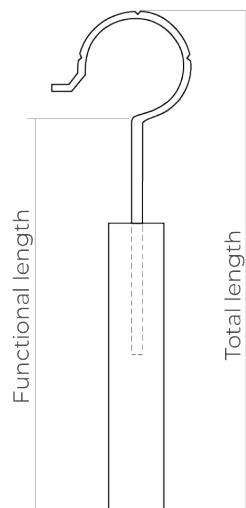
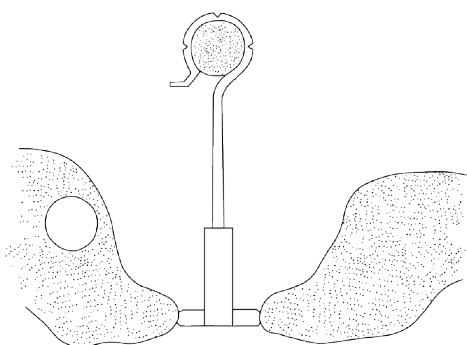
ITEM
SPL 03.07/08/09/10

PTFE: POLYTETRAFLUOROETHYLENE

The implant is made up of a 999‰ pure platinum hook (well tolerated and malleable material).

The stem of the implant is in PTFE, an anti-adhesive polymer to the walls of the stapedotomy.

The hook has three millings: under light pressure of the pliers, the millings allow the curvature and crimping of the hook in a controlled manner by winding the long apophysis of the incus without causing ischemia and risk of ovalized crimping.



PLATINUM IMPLANTS/PTFE IMPLANTS

Total length (LT)	Functional length (LF)	Ø06 mm	Ø0.4 mm	Ø0.5 mm	Ø0.8 mm
4.25 mm	3.25 mm	SPL 03.07.425	SPL 03.08.425	SPL 03.09.425	SPL 03.10.425
4.50 mm	3.50 mm	SPL 03.07.450	SPL 03.08.450	SPL 03.09.450	SPL 03.10.450
4.75 mm	3.75 mm	SPL 03.07.475	SPL 03.08.475	SPL 03.09.475	SPL 03.10.475
5.00 mm	4.00 mm	SPL 03.07.500	SPL 03.08.500	SPL 03.09.500	SPL 03.10.500
5.25 mm	4.25 mm	SPL 03.07.525	SPL 03.08.525	SPL 03.09.525	SPL 03.10.525
5.50 mm	4.50 mm	SPL 03.07.550	SPL 03.08.550	SPL 03.09.550	SPL 03.10.550
5.75 mm	4.75 mm	SPL 03.07.575	SPL 03.08.575	SPL 03.09.575	SPL 03.10.575
6.00 mm	5.00 mm	SPL 03.07.600	SPL 03.08.600	SPL 03.09.600	SPL 03.10.600

SHORTENABLE PLATINUM IMPLANTS/PTFE FOR STAPEDOTOMY AND STAPEDECTOMY

SPL 03.07 S

Total length (L)

7.00 mm shortenable up to 4.25 mm

DIMENSIONS

Piston diameter: 0.6 mm

SPL 03.08 S

Total length (L)

7.00 mm shortenable up to 4.25 mm

DIMENSIONS

Piston diameter: 0.4 mm

SPL 03.09 S

Total length (L)

7.00 mm shortenable up to 4.25 mm

DIMENSIONS

Piston diameter: 0.5 mm

SPL 03.10 S

Total length (L)

7.00 mm shortenable up to 4.25 mm

DIMENSIONS

Piston diameter: 0.8 mm

Implants for Stapedioplasty



TITANIUM IMPLANTS

ITEM
SPL 03.20/21/22/23

Total length (LT)	Functional length (LF)	COLUMELLA DIAMETER			
		ø 0.6 mm	ø 0.4 mm	ø 0.5 mm	ø 0.8 mm
4.25 mm	3.45 mm	SPL 03.20.425	SPL 03.21.425	SPL 03.22.425	SPL 03.23.425
4.50 mm	3.70 mm	SPL 03.20.450	SPL 03.21.450	SPL 03.22.450	SPL 03.23.450
4.75 mm	3.95 mm	SPL 03.20.475	SPL 03.21.475	SPL 03.22.475	SPL 03.23.475
5.00 mm	4.20 mm	SPL 03.20.500	SPL 03.21.500	SPL 03.22.500	SPL 03.23.500
5.25 mm	4.45 mm	SPL 03.20.525	SPL 03.21.525	SPL 03.22.525	SPL 03.23.525
5.50 mm	4.70 mm	SPL 03.20.550	SPL 03.21.550	SPL 03.22.550	SPL 03.23.550
5.75 mm	4.75 mm	SPL 03.20.575	SPL 03.21.575	SPL 03.22.575	SPL 03.23.575
6.00 mm	5.00 mm	SPL 03.20.600	SPL 03.21.600	SPL 03.22.600	SPL 03.23.600

The hook has three millings: under light pressure of the pliers, the millings allow the curvature and crimping of the hook in a controlled manner by winding the long apophysis of the incus without causing ischemia and risk of ovalized crimping.

TITANIUM IMPLANTS/PTFE

ITEM
SPL 03.27/28/29/30

Total length (LT)	Functional length (LF)	COLUMELLA DIAMETER			
		ø 0.6 mm	ø 0.4 mm	ø 0.5 mm	ø 0.8 mm
4.25 mm	3.45 mm	SPL 03.29.425	SPL 03.27.425	SPL 03.28.425	SPL 03.30.425
4.50 mm	3.70 mm	SPL 03.29.450	SPL 03.27.450	SPL 03.28.450	SPL 03.30.450
4.75 mm	3.95 mm	SPL 03.29.475	SPL 03.27.475	SPL 03.28.475	SPL 03.30.475
5.00 mm	4.20 mm	SPL 03.29.500	SPL 03.27.500	SPL 03.28.500	SPL 03.30.500
5.25 mm	4.45 mm	SPL 03.29.525	SPL 03.27.525	SPL 03.28.525	SPL 03.30.525
5.50 mm	4.70 mm	SPL 03.29.550	SPL 03.27.550	SPL 03.28.550	SPL 03.30.550
5.75 mm	4.75 mm	SPL 03.29.575	SPL 03.27.575	SPL 03.28.575	SPL 03.30.575
6.00 mm	5.00 mm	SPL 03.29.600	SPL 03.27.600	SPL 03.28.600	SPL 03.30.600

The hook has three millings: under light pressure of the pliers, the millings allow the curvature and crimping of the hook in a controlled manner by winding the long apophysis of the incus without causing ischemia and risk of ovalized crimping.



SHORTENABLE PLATINUM IMPLANTS/PTFE FOR STAPEDOTOMY AND STAPEDECTOMY

SPL 03.27 S

DIMENSIONS
Columella in PTFE ø: 0,4 mm
Total length (L): 7.00 mm shortenable up to 4.25 mm

SPL 03.28 S

DIMENSIONS
Columella in PTFE ø: 0,5 mm
Total length (L): 7.00 mm shortenable up to 4.25 mm

SPL 03.29 S

DIMENSIONS
Columella in PTFE ø: 0,6 mm
Total length (L): 7.00 mm shortenable up to 4.25 mm

SPL 03.30 S

DIMENSIONS
Columella in PTFE ø: 0,8 mm
Total length (L): 7.00 mm shortenable up to 4.25 mm



IMPLANTS IN SUPERELASTIC NITINOL AND PTFE

Piston diameter in PTFE di 0,4 - 0,5 - 0,6 - 0,8 mm
Available lengths: from 7,00 mm shortenable up to 4,25 mm

ITEM SPL 03.43/44/45/46

Superelastic nitinol can be flexed and twisted, but it always springs back to the original position. The nitinol hook assembles to the long apophysis of the incus with an easy vertical motion that requires a push of only 4 grams of force.

NITINOL HOOK

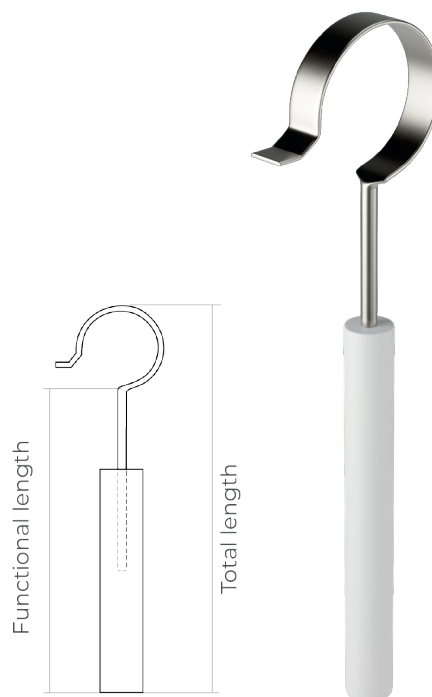
The classic Audio flat hook in combination with superelastic Nitinol is the result of a unique production process by Audio Technologies. This feature also joins with the total excellent qualities of Nitinol such as: mechanical strength, bio-inertia and lightness.

SIMPLIFICATION OF THE SURGICAL INTERVENTION

The elasticity of the hook reduces surgical steps and difficulties which may occur during the closure phase. The hook closes gently by exerting pressure along the total periphery of the long apophysis of the incus to minimize the risk of compression necrosis.

EASY ASSEMBLY

The piston fits onto the incus in one easy downward motion. The Audio Technologies SPL 03.01 micro pliers make it very easy to assemble the implant onto the incus.



PISTONS IN NITINOL

Total length (LT)	Functional length (LF)	Ø04 mm	Ø0.5 mm	Ø0.6 mm	Ø0.8 mm
4.25 mm	3.25 mm	SPL 03.43.425	SPL 03.44.425	SPL 03.45.425	SPL 03.46.425
4.50 mm	3.50 mm	SPL 03.43.450	SPL 03.44.450	SPL 03.45.450	SPL 03.46.450
4.75 mm	3.75 mm	SPL 03.43.475	SPL 03.44.475	SPL 03.45.475	SPL 03.46.475
5.00 mm	4.00 mm	SPL 03.43.500	SPL 03.44.500	SPL 03.45.500	SPL 03.46.500
5.25 mm	4.25 mm	SPL 03.43.525	SPL 03.44.525	SPL 03.45.525	SPL 03.46.525
5.50 mm	4.50 mm	SPL 03.43.550	SPL 03.44.550	SPL 03.45.550	SPL 03.46.550
5.75 mm	4.75 mm	SPL 03.43.575	SPL 03.44.575	SPL 03.45.575	SPL 03.46.575
6.00 mm	5.00 mm	SPL 03.43.600	SPL 03.44.600	SPL 03.45.600	SPL 03.46.600
7.00 mm	6.00 mm	SPL 03.43 S	SPL 03.44 S	SPL 03.45 S	SPL 03.46 S



IMPLANTS IN SUPERELASTIC NITINOL AND PTFE

ITEM
SPL 03.43 S/44 S/
45 S/46 S

DIMENSIONS OF NITILON SUPERELASTIC HOOKS

All superelastic nitinol piston clamp implants and stem in PTFE are available in two versions:

- The variant with a “P” which follows the item number indicates the hook with a diameter of 0.9 mm, that is to say a tenth of a millimeter smaller compared to the standard product. *For example SPL 03.43 SP.*
- The variant with a “G” which follows the item number indicates the hook with a diameter of 1.1 mm, that is to say a tenth of a millimeter smaller compared to the standard product. *For example SPL 03.43 SG.*

SHORTENABLE VERSION

Superelastic nitinol implants with stem in PTFE are also available in the measure of 7,0 mm shortenable up to 4,25 mm.

The stem can be easily cut by the surgical scalpel.

After having used the measuring tool 02.14, it is recommended to use the plate SPL 03.06.

SPL 03.43 S

DIMENSIONS

Columella in PTFE Ø:

0,4 mm

Total length (L):

7.00 mm shortenable
up to 4.25 mm

SPL 03.44 S

DIMENSIONS

Columella in PTFE Ø:

0,5 mm

Total length (L):

7.00 mm shortenable
up to 4.25 mm

SPL 03.45 S

DIMENSIONS

Columella in PTFE Ø:

0,6 mm

Total length (L):

7.00 mm shortenable
up to 4.25 mm

SPL 03.46 S

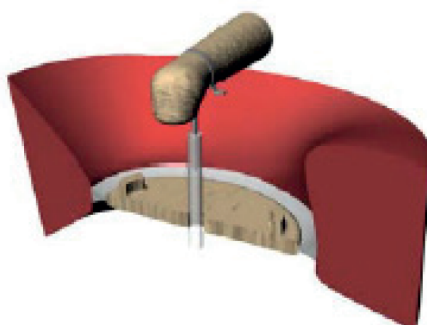
DIMENSIONS

Columella in PTFE Ø:

0,8 mm

Total length (L):

7.00 mm shortenable
up to 4.25 mm





THE “RUSSO-SANNA” PISTON IMPLANTS IN TITANIUM AND PTFE

Ti: Titanium ASTM F67 Gr. 2; PTFE

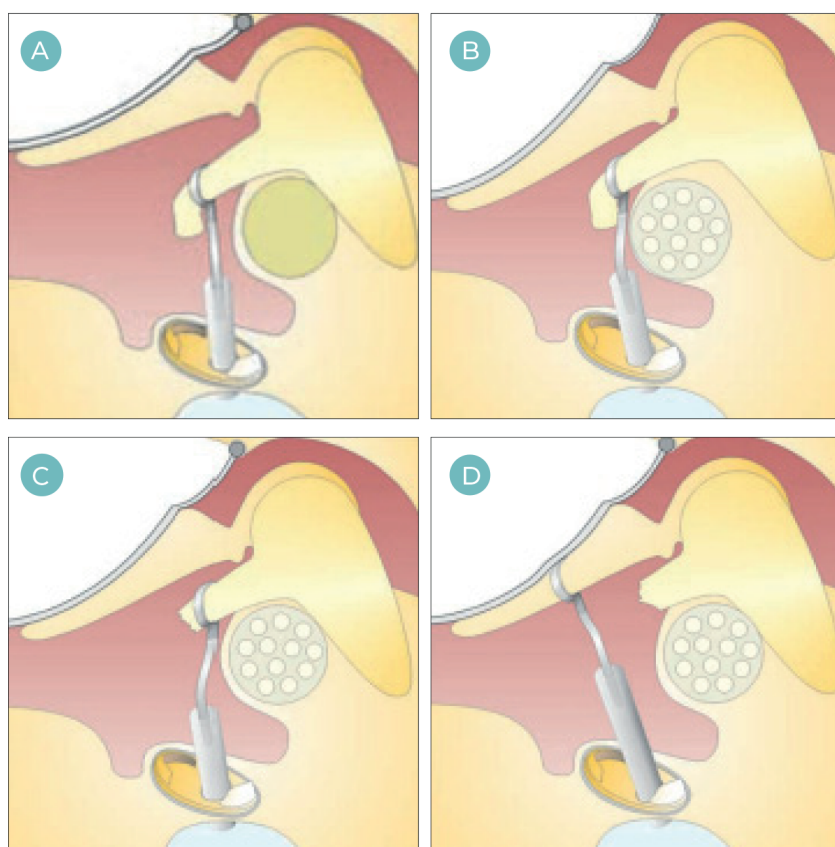
ITEM
SPL 03.53S

The “Russo-Sanna” piston implant in Titanium and PTFE has a total length of 7mm, a functional length of 6mm and a columella diameter of 0.5 mm. The implant is suitable in otosclerosis interventions with normal mobility of the incus and malleus. The platinotomy usually has a diameter of 0.6mm and the optimal space for the piston implant is 0.1 mm (Picture A).

The shape and ductility of titanium allow to bend the stem of the implant adapting the piston even to complex anatomies such as in case of facial nerve protrusion. Giving the correct angle to the stem of the implant, a good mobility of the ossicular chain can be ensured. (Picture B).

In case of partial erosion of the incus, the implant can be assembled onto the long apophysis. The stem of the implant can be duly bent and the piston fixed even if the incus is short (Picture C).

If following a revision surgery, a necrosis occurs, the implant can be hooked to the manubrium of the malleus (Picture D).



PRODUCT CODE

- SPL 03.52S** - Columella diameter: 0.4 mm
- SPL 03.53S** - Columella diameter: 0.5 mm
- SPL 03.54S** - Columella diameter: 0.6 mm
- SPL 03.55S** - Columella diameter: 0.8 mm



PISTON IMPLANT IN PTFE FOR STAPEDECTOMY AND STAPEDOTOMY

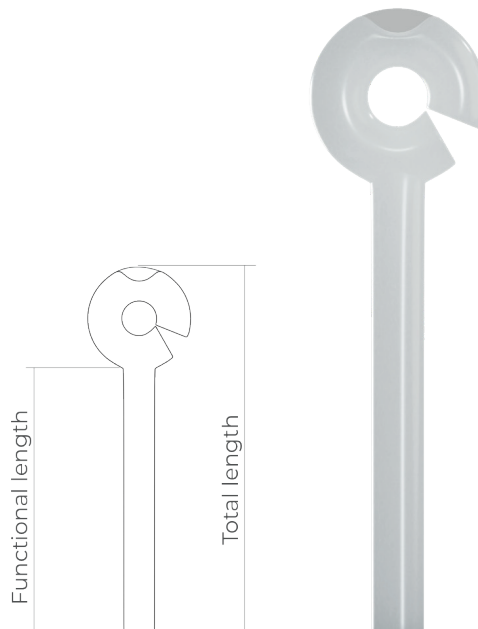
ITEM
SPL 03.16/17/18/19

IMPLANT IN PTFE WITH EVOLVED HOOK

The implant has a notch to facilitate the opening of the hook.

Slightly open the implant hook which will do a little resistance thanks to the notch carved on it.

Thanks to this feature, opening and assembling with the long apophysis of the incus are easier and elastic memory of the hook is not affected.



PISTONS IN PTFE / HOOK WITH NOTCH

Total length (LT)	Functional length (LF)	COLUMELLA DIAMETER			
		ø 0.5 mm	ø 0.6 mm	ø 0.4 mm	ø 0.8 mm
4.50 mm	3.50 mm	SPL 03.16.450	SPL 03.17.450	SPL 03.18.450	SPL 03.19.450
5.00 mm	4.00 mm	SPL 03.16.500	SPL 03.17.500	SPL 03.18.500	SPL 03.19.500
5.50 mm	4.50 mm	SPL 03.16.550	SPL 03.17.550	SPL 03.18.550	SPL 03.19.550
6.00 mm	5.00 mm	SPL 03.16.600	SPL 03.17.600	SPL 03.18.600	SPL 03.19.600
6.50 mm	5.50 mm	SPL 03.16.650	SPL 03.17.650	SPL 03.18.650	SPL 03.19.650
7.00 mm	6.00 mm	SPL 03.16.700	SPL 03.17.700	SPL 03.18.700	SPL 03.19.700

PISTONS IN PTFE / HOOK WITHOUT NOTCH

Total length (LT)	Functional length (LF)	COLUMELLA DIAMETER			
		ø 0.5 mm	ø 0.6 mm	ø 0.4 mm	ø 0.8 mm
4.50 mm	3.50 mm	SPL 03.16.450 X	SPL 03.17.450 X	SPL 03.18.450 X	SPL 03.19.450 X
5.00 mm	4.00 mm	SPL 03.16.500 X	SPL 03.17.500 X	SPL 03.18.500 X	SPL 03.19.500 X
5.50 mm	4.50 mm	SPL 03.16.550 X	SPL 03.17.550 X	SPL 03.18.550 X	SPL 03.19.550 X
6.00 mm	5.00 mm	SPL 03.16.600 X	SPL 03.17.600 X	SPL 03.18.600 X	SPL 03.19.600 X
6.50 mm	5.50 mm	SPL 03.16.650 X	SPL 03.17.650 X	SPL 03.18.650 X	SPL 03.19.650 X
7.00 mm	6.00 mm	SPL 03.16.700 X	SPL 03.17.700 X	SPL 03.18.700 X	SPL 03.19.700 X



Other versions

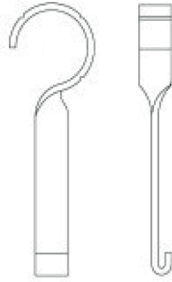
PLATINUM IMPLANT FOR STAPEDECTOMY

Material: Platinum (PT)

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

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

The end part of the implant is folded back to form an elbow to allow anchoring to the new oval window membrane. The weight of the implant (about 3 mg) is very close to the natural weight of the stirrup bone.



ITEM SPL 03.00

SPL 03.00

Total length (L)	Product code
3.00 mm	SPL 03.00.300
3.50 mm	SPL 03.00.350
4.00 mm	SPL 03.00.400
4.25 mm	SPL 03.00.425
4.50 mm	SPL 03.00.450
4.75 mm	SPL 03.00.475
5.00 mm	SPL 03.00.500
5.50 mm	SPL 03.00.550
6.00 mm	SPL 03.00.600

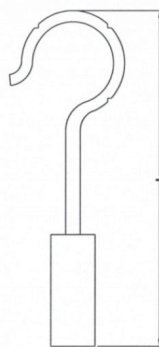
PLATINUM IMPLANT AND PE FOR STAPEDECTOMY

Material: Platinum (PT) and Porous Polyethylene (PE)

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

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

Thanks to its microporous structure, the end part in Audio-PE (porous polyethylene) ensures an excellent anchoring to the new oval window membrane allowing the connective tissue and blood vessels to penetrate it.



ITEM SPL 03.04

SPL 03.04

Total length (L)	Product code
3.50 mm	SPL 03.04.350
4.00 mm	SPL 03.04.400
4.25 mm	SPL 03.04.425
4.50 mm	SPL 03.04.450
4.75 mm	SPL 03.04.475
5.00 mm	SPL 03.04.500
5.50 mm	SPL 03.04.550
6.00 mm	SPL 03.04.600

DIMENSIONS:
Columella \varnothing : 0.6 mm

Implants for Stapedioplasty

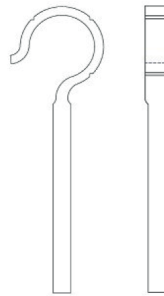


PLATINUM IMPLANT FOR STAPEDECTOMY

Material: Platinum (PT)

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

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



ITEM SPL 03.05

SPL 03.05

Total length (L)	Product code
6.00 mm	SPL 03.05.600

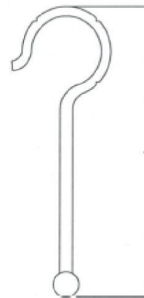
DIMENSIONS:
Columella \varnothing : 0.3 mm

PLATINUM IMPLANT FOR STAPEDECTOMY

Material: Platinum (PT)

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

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



ITEM SPL 03.13

SPL 03.13

Total length (L)	Product code
4.00 mm	SPL 03.13.400
4.50 mm	SPL 03.13.450
5.00 mm	SPL 03.13.500

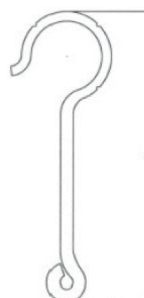
DIMENSIONS:
Sphere diameter: 0.4 mm

PLATINUM IMPLANT FOR STAPEDECTOMY

Material: Platinum (PT)

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

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



ITEM SPL 03.15

SPL 03.15

Total length (L)	Product code
4.00 mm	SPL 03.15.400
4.50 mm	SPL 03.15.450
5.00 mm	SPL 03.15.500

DIMENSIONS:
End part diameter: 0.4 mm



NINJA COMPLETE IMPLANT IN TITANIUM, ADJUSTABLE LENGTH

Material: pure Titanium Gr. 2 (Ti)

ITEM TAP 07.63 SH

OPEN FLANGE

It allows to maintain the vision on the surgical field under the head of the implant.

STRUCTURE IN TITANIUM

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

ADJUSTABLE LENGTH

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

SOUND CONDUCTIVITY

Laser-Doppler oscillometer tests show that the sound conductivity wave is not absorbed by the shape of the stem remaining unchanged regardless of the chosen length.

PLATINUM CONNECTOR

The micropins allow adhesion to the platinum which gives stability and optimal vibration. The tips are 0.10 mm high, while the thickness of the platinum is at least 0.20 mm. The tips slowly penetrate the platinum for compressive osteolysis.

TAP 07.63 SH

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

from 3.00 mm to 9.00 mm	TAP 07.63 SH
-------------------------	--------------



DIMENSIONS:

Base dimensions: 0.7x1.1 mm

NINJA COMPLETE IMPLANT IN TITANIUM AND HAP, ADJUSTABLE LENGTH

Material: pure Titanium Gr. 2 (Ti) and flange in porous hydroxyapatite (HAP)

ITEM TAP 07.67 SH

FLANGE IN HAP

As proven by clinical studies and long follow-ups, the head in HAP can keep in contact directly with the eardrum without being extruded.

STRUCTURE IN TITANIUM

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

ADJUSTABLE LENGTH

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

SOUND CONDUCTIVITY

Laser-Doppler oscillometer tests show that the sound conductivity wave is not absorbed by the shape of the stem remaining unchanged regardless of the chosen length.

PLATINUM CONNECTOR

The micropins allow adhesion to the platinum which gives stability and optimal vibration. The tips are 0.10 mm high, while the thickness of the platinum is at least 0.20 mm. The tips slowly penetrate the platinum for compressive osteolysis.

TAP 07.67 SH

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

from 3.00 mm to 9.00 mm	TAP 07.67 SH
-------------------------	--------------



DIMENSIONS:

Base dimensions: 0.7x1.1 mm

PLATINUM CONNECTOR

The micropins at the base of the implant allow adhesion to the platinum which gives stability and optimal vibration. The tips are 0.09 mm high, while the thickness of the platinum is at least 0.20 mm.



Tympanoplasty Implants



COMPLETE FIXED-LENGTH IMPLANT IN TITANIUM, NINJA MODEL

Material: pure Titanium Gr. 2 (Ti)

Complete implant in titanium with fixed lengths, ninja model: from 3.00 mm up to 8.00 mm

OPEN FLANGE

The widely windowed flange allows to maintain an unobstructed view of the field.

STRUCTURE IN TITANIUM

This implant is entirely made in pure titanium, a widely tested material in the surgical field, endowed with high mechanical resistance and lightness.

PLATINUM CONNECTOR

The micropins allow adhesion to the platinum which gives stability and optimal vibration. The pins are 0.09 mm high, while the thickness of the platinum is at least 0.20 mm.



ITEM TAP 07.61 SH

TAP 07.61

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

DIMENSIONS:

Wire ø: 0.20 mm

Columella ø: 0.60 mm

Base dimensions: 0.7x1.1 mm

COMPLETE FIXED-LENGTH IMPLANT IN TITANIUM WITH FLANGE IN HAP, NINJA MODEL

Materials: pure Titanium Gr. 2 (Ti) and flange in porous hydroxyapatite (HAP)

FLANGE IN HAP

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

IMPLANT STABILITY

The porosity of the flange allows a stable fixing to the eardrum thanks to a slight adhesion that occurs through penetration of fibroblasts in the pores of the HAP.

STRUCTURE IN TITANIUM

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

PLATINUM CONNECTOR

The micropins allow adhesion to the platinum which gives stability and optimal vibration. The pins are 0.09 mm high, while the thickness of the platinum is at least 0.20 mm.



ITEM TAP 07.65 SH

TAP 07.65 SH

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

DIMENSIONS:

Base dimensions: 0.7x1.1 mm

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

Tympanoplasty Implants



COMPLETE IMPLANT IN TITANIUM, ADJUSTABLE LENGTH

Material: pure Titanium Gr. 2 (Ti)

ITEM TAP 07.63

WINDOWED FLANGE

It allows the view of the underneath surgical field.

TITANIUM STRUCTURE

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

EXTENDABLE STEM

Extendable by traction and shortenable by compression.

GOOD SOUND CONDUCTIVITY

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

DIMENSIONS:

Wire \varnothing : 0.20 mm

Columella \varnothing : 0.60 mm

TAP 07.63

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

from 3.00 mm to 8.00 mm	TAP 07.63
-------------------------	-----------



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

TITANIUM ADJUSTABLE PARTIAL

Material: pure Titanium Gr. 2 (Ti)

ITEM PAP 07.64

WINDOWED FLANGE

It allows the view of the underneath surgical field.

TITANIUM STRUCTURE

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

EXTENDABLE STEM

Extendable by traction and shortenable by compression.

GOOD SOUND CONDUCTIVITY

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

DIMENSIONS:

Wire \varnothing : 0.20 mm

Inner diameter of the cup: 1.10 mm

Outer diameter of the cup: 1.20 mm

PAP 07.64

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

from 2.25 mm to 5.50 mm	PAP 07.64
-------------------------	-----------



It is recommended the interposition of a layer of autologous cartilage between implants and neotympanum.

Tympanoplasty Implants



COMPLETE IMPLANT WITH FLANGE IN HAP, ADJUSTABLE LENGTH

Materials: pure Titanium Gr. 2 (Ti) and porous hydroxyapatite (HAP)

**ITEM
TAP 07.67**

FLANGE IN HAP

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

FIXATION TO EARDRUM

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

TITANIUM STRUCTURE

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

EXTENDABLE STEM

Extendable by traction and shortenable by compression.

GOOD SOUND CONDUCTIVITY

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

TAP 07.67

Total length (L)	Product code
from 4.00 mm to 8.00 mm	TAP 07.67



DIMENSIONS:
Wire \varnothing : 0.20 mm
Columella \varnothing : 0.60 mm

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

PARTIAL IMPLANT WITH FLANGE IN HAP, ADJUSTABLE LENGTH

Material: pure Titanium Gr. 2 (Ti) and porous hydroxyapatite (HAP)

**ITEM
PAP 07.68**

FLANGE IN HAP

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

FIXATION TO EARDRUM

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

TITANIUM STRUCTURE

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

EXTENDABLE STEM

Extendable by traction and shortenable by compression.

GOOD SOUND CONDUCTIVITY

demonstrates the unchanged conductivity of the sound wave in all stem configurations.

PAP 07.68

Total length (L)	Product code
from 2.50 mm to 5.00 mm	PAP 07.68



DIMENSIONS:
Wire \varnothing : 0.20 mm
Inner diameter of the cup: 1.10 mm
Outer diameter of the cup: 1.20 mm

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

Tympanoplasty Implants



COMPLETE IMPLANT IN TITANIUM/HAP, ADJUSTABLE LENGTH

Materials: pure Titanium Gr. 2 (Ti) and porous hydroxyapatite (HAP)

**ITEM
TAP 07.58**

FLANGE IN HAP

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

FIXATION TO EARDRUM

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

TITANIUM STRUCTURE

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

EXTENDABLE STEM

Extendable by traction and shortenable by compression.

GOOD SOUND CONDUCTIVITY

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

TAP 07.58

Total length (L)	Product code
from 4.00 mm to 8.50 mm	TAP 07.58

DIMENSIONS:

Extendable stem
Flange: 3,50 x 2,50 mm
Columella ø: 0,60



The flange has a bent apophysis to host the manubrium of the malleus.

PARTIAL IMPLANT IN TITANIUM/HAP, ADJUSTABLE LENGTH

Materials: pure Titanium Gr. 2 (Ti) and porous hydroxyapatite (HAP)

**ITEM
PAP 07.72**

FLANGE IN HAP

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

FIXATION TO EARDRUM

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

TITANIUM STRUCTURE

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

EXTENDABLE STEM

Extendable by traction and shortenable by compression.

GOOD SOUND CONDUCTIVITY

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

PAP 07.72

Total length (L)	Product code
from 2.25 mm to 5.00 mm	PAP 07.72

DIMENSIONS:

Extendable stem
Flange: 3,50 x 2,50 mm



The flange has a bent apophysis to host the manubrium of the malleus.

Tympanoplasty Implants



UNIVERSAL CONNECTOR, NINJA MODEL

ITEM
TPL 07.73/76

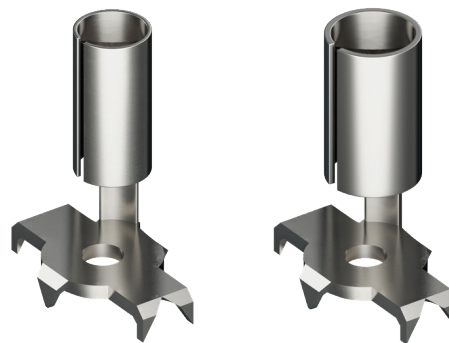
The connectors are available in different diameters: 0.4, 0.5, 0.6, 0.7 mm.

The stem of the implant must be inserted in the cylinder which is then tightened by means of sturdy pliers.

The six micropins of the “shoe” penetrate the platinum surface part until the flat surface of the implant base stabilizes.

The penetration slowly occurs by compressive osteolysis and stops at a maximum penetration of 0.10 mm with no risk to damage the platinum.

The base integrates the complete implant with the platen, allowing sound wave transmission by oscillatory motions.



TPL 07.73

TPL 07.74



TPL 07.75

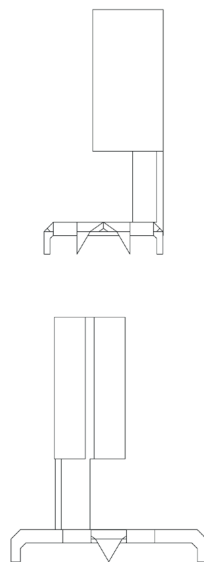
TPL 07.76

Diameter (mm)	Product code
0.40 mm	TPL 07.73
0.50 mm	TPL 07.74
0.60 mm	TPL 07.75
0.80 mm	TPL 07.76

DIMENSIONS:

Base: 0.7x1.1 mm

Micropumps: 0.09 mm

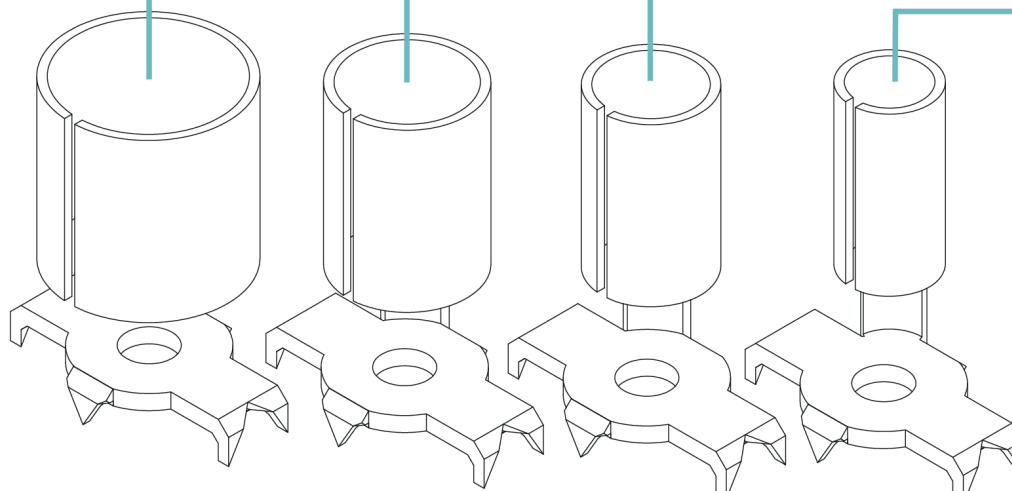


Cylinder diameter: 0.60 mm

Cylinder diameter: 0.80 mm

Cylinder diameter: 0.50 mm

Cylinder diameter: 0.40 mm



Tympanoplasty Implants



COMPLETE IMPLANT IN TITANIUM WITH FIXED-LENGTH

Material: pure Titanium Gr. 2 (Ti)

Fixed-length implant: from 3.00 up to 8.00 mm.

OPEN FLANGE

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

TITANIUM STRUCTURE

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

DIMENSIONS:

Wire \varnothing : 0.20 mm

Columella \varnothing : 0.60 mm



ITEM TAP 07.61

TAP 07.61

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

PARTIAL IMPLANT IN TITANIUM WITH FIXED-LENGTH

Material: pure Titanium Gr. 2 (Ti)

Implant with fixed-length : from 1.75 mm up to 5.00 mm.

OPEN FLANGE

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

TITANIUM STRUCTURE

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

DIMENSIONS:

Wire \varnothing : 0.20 mm

Inner diameter of the cup: 1.10 mm

Outer diameter of the cup: 1.20 mm



ITEM PAP 07.62

PAP 07.62

Total length (L)	Product code
1.75 mm	PAP 07.62.175
2.00 mm	PAP 07.62.200
2.25 mm	PAP 07.62.225
2.50 mm	PAP 07.62.250
2.75 mm	PAP 07.62.275
3.00 mm	PAP 07.62.300
3.25 mm	PAP 07.62.325
3.50 mm	PAP 07.62.350
4.00 mm	PAP 07.62.400
4.50 mm	PAP 07.62.450
5.00 mm	PAP 07.62.500

Tympanoplasty Implants



COMPLETE IMPLANT IN TITANIUM AND FLANGE IN HAP

Materials: pure Titanium Gr. 2 (Ti) and porous hydroxyapatite (HAP)

Implant with fixed-length: from 3.00 mm up to 8.00 mm.

FLANGE IN HAP

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

STABILIZATION OF THE IMPLANT

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

TITANIUM STRUCTURE

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

DIMENSIONS:

Wire \varnothing : 0.20 mm
Columella \varnothing : 0.60 mm



TAP 07.65

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

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

COMPLETE IMPLANT IN TITANIUM AND FLANGE IN HAP

Materials: Titanium pure Gr. 2 (Ti) and porous hydroxyapatite (HAP)

Implant with fixed-length: from 1.75 up to 5.00 mm.

FLANGE IN HAP

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

STABILIZATION OF THE IMPLANT

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

TITANIUM STRUCTURE

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



PAP 07.66

Total length (L)	Product code
2.00 mm	PAP 07.66.200
2.25 mm	PAP 07.66.225
2.50 mm	PAP 07.66.250
2.75 mm	PAP 07.66.275
3.00 mm	PAP 07.66.300
3.25 mm	PAP 07.66.325
3.50 mm	PAP 07.66.350
4.00 mm	PAP 07.66.400
4.50 mm	PAP 07.66.450
5.00 mm	PAP 07.66.500

DIMENSIONS:

Wire \varnothing : 0.20 mm
Inner diameter of the cup: 1.10 mm
Outer diameter of the cup: 1.20 mm

As for the partial version (product code PAP 07.65) the same groove is provided onto the flange in HAP.



COMPLETE INCUDOSTAPEDIAL IMPLANT

Materials: pure Titanium Gr. 2 (Ti) and Polytetrafluorethylene (PTFE)

ITEM
TAP 07.52

The implant is designed to connect the incus to the platinum of the stirrup. It is particularly indicated in case of eroded and irregular incus. The part in contact with the incus has 6 titanium clips, while the stem in PTFE can be easily shortened with a surgical scalpel.

The 6 titanium clips have a progressive length and can be adapted to all kind of incus. The end part of the clips is angled to be fixed to the incus.

The stem in PTFE can be shortened (after measurement) and put in contact with the platinum of the stirrup, in case this is movable.



DIMENSIONS:

Total length: 6.25 mm shortenable up to 4.50 mm

Titanium wire thickness: 0.23 mm

PTFE stem diameter: 0.60 mm

PARTIAL INCUDOSTAPEDIAL IMPLANT

Material: pure Titanium Gr. 2 (Ti)

ITEM
PAP 07.53

Partial implant for incudostapedial assembly.

The implant is composed by a single block in titanium with 6 clips for the residue of the incus and a lid for assembly with the stirrup head.

The 6 titanium clips have a progressive length and can be adapted to all kind of incus.

The end part of the clips is angled to be fixed to the incus.



DIMENSIONS:

Total length: 1.90 mm

Titanium wire thickness: 0.23 mm

Tympanoplasty Implants



PARTIAL IMPLANT IN POROUS HAP

Material: (HAP) Bioactive porous ceramic hydroxyapatite

The porosity of the material gives lightness to the implant.

The implant is hollow to view the stirrup head.

After measurement (it is recommended the audio meter by Audio Technologies, product code 02.14), the implant can eventually be shortened to the suitable length: the HAP can be shortened by a diamond wheel under watering.

The implant doesn't need any cartilage interposition.

DIMENSIONS:

Flange diameter: 4.0 mm

Outer columella diameter: 2.1 mm

Inner columella diameter: 1.2 mm of cartilage

Totally shortenable

ITEM PAP 07.50

PAP 07.50

Total length (L)	Product code
4.00 mm	PAP 07.50



PARTIAL IMPLANT IN DENSE HAP

Material: (HAP) Bioactive ceramic hydroxyapatite

Hollow implant to view the stirrup head. The implant can be shortened by a diamond wheel under watering.

The implant doesn't need any cartilage interposition.

DIMENSIONS:

Total length: 3.5 mm

Flange diameter: 4.0 mm

Outer diameter: 2.1 mm

Inner diameter: 1.2 mm

ITEM TPL 07.45

TPL 07.45

Total length (L)	Product code
3.50 mm	TPL 07.45





PARTIAL IMPLANT WITH TILTING FLANGE IN HAP AND PTFE

Materials: Porous hydroxyapatite (HAP), platinum joint (Pt) and Polytetrafluorethylene (PTFE)

ITEM PAP 07.36



The porosity of the flange allows stabilization of the implant through penetration of connective cells in the pores and bioactive adhesion to neotympanic tissue.

An advantage of porous hydroxyapatite (patented by Audio Technologies) is represented by the possibility of avoiding interposition of cartilage.

The platinum joint allows to tilt the flange of the implant to make it perpendicular to the stirrup head.

The PTFE columella can be shortened from 6.5 mm to 3.0 mm.

For such shortening it is possible to use a surgical scalpel.

PAP 07.36

Total length (L)	Product code
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shortenable from 6.50 to 3.00 mm	PAP 07.36
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DIMENSIONS:

Total length: 6.50 mm
shortenable up to 3.00 mm
Flange diameter: 3.50 mm
Titanium wire thickness: 0.25 mm
Columella in PTFE
Outer diameter: 2.10 mm
Inner diameter: 1.40 mm

PARTIAL IMPLANT IN HAP AND PE WITH TILTING FLANGE

Materials: Porous hydroxyapatite (HAP), platinum joint (Pt) and porous Polyethylene (PE)

ITEM PAP 07.38



The porosity of the flange allows stabilization of the implant through penetration of connective cells in the pores and bioactive adhesion to neotympanic tissue.

An advantage of porous hydroxyapatite (patented by Audio Technologies) is represented by the possibility of avoiding interposition of cartilage.

The platinum joint allows to tilt the flange of the implant to make it perpendicular to the stirrup head.

The PTFE columella can be shortened from 6.5 mm to 3.0 mm.

For such shortening it is possible to use a surgical scalpel.

PAP 07.38

Total length (L)	Product code
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shortenable from 6.50 to 3.00 mm	PAP 07.38
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DIMENSIONS:

Total length: 6.50 mm
shortenable up to 3.00 mm
Flange diameter: 3.50 mm
Titanium wire thickness: 0.25 mm
Columella in HA
Outer diameter: 2.10 mm
Inner diameter: 1.40 mm



SHORTENABLE COMPLETE IMPLANT IN PE

Material: High molecular weight porous polyethylene (PE)

ITEM TAP 07.09

The TAP 07.09 is a complete implant for the replacement of the entire ossicular chain, from the tympanic membrane to the oval window.

To prevent extrusion it is necessary to interpose a layer of autologous cartilage between the neo-eardrum and implant.

The newly formed connective tissue will join the flange of the implant to the tympanic membrane and the distal end of the implant at the base of the stirrup.

After measurement (it is possible to use the microsurgery measuring device 02.14), the implant can be shortened with a surgical scalpel.



TAP 07.09

Total length (L)	Product code
6.00 mm	TAP 07.09.600
7.00 mm	TAP 07.09.700
8.00 mm	TAP 07.09.800

DIMENSIONS:

Total length:

6.00 mm (shortenable up to 5.00 mm)

7.00 mm (shortenable up to 6.00 mm)

8.00 mm (shortenable up to 7.00 mm)

Flange diameter: 4.00 mm

Flange thickness: 0.60 mm

Columella diameter: 0.70 mm

COMPLETE IMPLANT IN HA

Material: Dense hydroxyapatite (HA)

ITEM TAP 07.11

The TAP 07.11 is a complete implant for replacement of the entire ossicular chain, from the malleus or tympanic membrane to the platinum of the stirrup.

As a bioactive material, the hydroxyapatite can be in contact with the neotympanum without being extruded: it does not require the interposition of cartilage.

The flange can be stabilized to the tympanic membrane by fibrin glue.



TAP 07.11

Total length (L)	Product code
5.00 mm	TAP 07.11.500
5.50 mm	TAP 07.11.550
6.00 mm	TAP 07.11.600
6.50 mm	TAP 07.11.650
7.00 mm	TAP 07.11.700
7.50 mm	TAP 07.11.750
8.00 mm	TAP 07.11.800

DIMENSIONS:

Total length: 5.00, 5.50,

6.00, 6.50, 7.00, 7.50, 8.00 mm

Flange diameter: 2.00 mm

Flange thickness: 0.80 mm

Columella diameter: 0.65 mm

Tympanoplasty Implants



COMPLETE IMPLANT IN POROUS HYDROXYAPATITE AND PTFE, SHORTENABLE AND TILTING FLANGE

Materials: Porous hydroxyapatite (HAP) and polytetrafluorethylene (PTFE)

The TAP 07.35 is a complete implant with a flange in porous hydroxyapatite (HAP). The porosity of the flange allows stabilization of the implant through the penetration of connective cells in the pores and bioactive adhesion to the neotympanic tissue.

An advantage of porous hydroxyapatite (patented by Audio Technologies) is represented by the possibility of avoiding the interposition of cartilage.

The HAP flange porosity allows a 50% weight saving. The columella consists of one end bottom in PTFE and a platinum joint both suitable to allow the adjustment of the angle between the neoeardrum and columella, and the displacement of the columella to get a view of the oval window.

The PTFE columella can be shortened with a surgical scalpel. The length can therefore vary from 8.0 mm to 3.25 mm.



ITEM TAP 07.35

TAP 07.35

Total length (L)	Product code
from 8.00 to 3.25 mm	TAP 07.35

DIMENSIONS:

Total length: from 8.00 to 3.25 mm
Flange length: 3.50 mm
Columella diameter: 0.60 mm

PARTIAL IMPLANT "INCUS"

Material: dense hydroxyapatite (HA)

The implant can be used wherever a part of the long apophysis is missing.

Its wedge shape allows for insertion between the remaining incus and the stirrup head.

Its small surface allows a better view of the stirrup head during placement.

DIMENSIONS:

Total length: 2.50 mm
Total height: 1.60 mm



ITEM INCUS 07.32

INCUS 07.32

Total length (L)	Product code
2.50 mm	INCUS 07.32

Tympanoplasty Implants



PARTIAL PROSTHESIS “OFFSET” IN SHORTENABLE PE

Material: High molecular weight porous polyethylene (PE)

ITEM TPL 07.02

Implant for replacement of the incus and malleus, from the tympanic membrane to the stirrup head.

To prevent extrusion, it is recommended to interpose a layer of autologous cartilage between the neoeardrum and implant.

The fully perforated columella allows the surgeon to check the stirrup head during placement.

After the measurement (measuring device for microsurgery 02.14), the implant can be cut to measure by a scalpel.



TPL 07.02

Total length (L)	Product code
5.00 mm	TPL 07.02

DIMENSIONS:

Total length: 5.00 mm
 Flange diameter: 4.00 mm
 Flange thickness: 0.60 mm
 Outer columella diameter: 1.80 mm
 Inner columella diameter: 1.20 mm

COMPLETE IMPLANT IN HA, TILTING FLANGE

Material: Dense hydroxyapatite (HA)

ITEM TPL 07.07

Implant for replacement of the whole ossicular chain, from malleus or tympanic membrane to the platinum of the stirrup.

It is not necessary the cartilage interposition between the flange of the implant and the tympanic membrane.

The columella is assembled to the flange by means of a platinum joint (malleable and widely tolerated material).

This joint allows the angle adjustment of the implant and the placement of columella in order to obtain the best view of the oval window during the insertion of the implant itself.



TPL 07.07

Total length (L)	Product code
5.50 mm	TPL 07.07.550
6.00 mm	TPL 07.07.600
6.50 mm	TPL 07.07.650
7.00 mm	TPL 07.07.700
7.50 mm	TPL 07.07.750
8.00 mm	TPL 07.07.800

DIMENSIONS:

Total length: (mm): 5.50, 6.00, 6.50, 7.00, 7.50, 8.00
 Flange length: 3.60 mm
 Flange thickness: 0.80 mm
 Lower diameter of columella: 0.65 mm

Tympanoplasty Implants



SHORTENABLE PARTIAL IMPLANT IN HA, TILTING FLANGE

Material: Dense hydroxyapatite

ITEM TPL 07.08

The implant replaces the incus or incudo-malleolar joint. Interposition of cartilage is not required between the flange and the tympanic membrane.

The columella is joined to the flange by a platinum joint. Platinum is known to be a malleable and well tolerated material.

The malleable platinum joint gives the possibility to angle the flange of the implant to the tympanic membrane.

The possibility to adjust the position of the columella through the joint allows to center the stirrup in the oval window.

The flange can be fixed to the tympanic membrane with fibrin glue.



TPL 07.08

Total length (L)	Product code
3.50 mm	TPL 07.08.600
4.00 mm	TPL 07.08.700
4.50 mm	TPL 07.08.800
5.00 mm	TPL 07.08.450
5.50 mm	TPL 07.08.500
6.00 mm	TPL 07.08.600

DIMENSIONS:

Total length: (mm): 3.50, 4.00, 4.50, 5.00, 5.50, 6.00 mm

Flange length: 3.60 mm

Flange thickness: 1.00 mm

Outer columella diameter: 2.00 mm

Inner columella diameter: 1.20 mm

SHORTENABLE PARTIAL IMPLANT IN PE

Materials: High molecular weight porous polyethylene (PE)

ITEM PAP 07.10

The PAP 07.10 is an implant to replace the incus and malleus. It replaces the ossicular chain from the tympanic membrane to the stirrup head.

To avoid extrusion, an autologous cartilage graft must be placed between the flange of the implant and the tympanic membrane.

The newly formed connective tissue will join the implant flange to the tympanic membrane and the implant base to the stirrup head.

The hollow shape of the columella allows the surgeon to check the stirrup head during insertion.

After the measurement (for example by microsurgical measuring device 02.14), the length can be reduced using a surgical scalpel.



PAP 07.10

Total length (L)	Product code
5.00 mm	PAP 07.10

DIMENSIONS:

Total length: 5.00 mm

Flange length: 4.00 mm

Flange thickness: 0.60 mm

Outer columella diameter: 2.10 mm

Inner columella diameter: 1.20 mm

Tympanoplasty Implants



ADJUSTABLE COMPLETE IMPLANT IN HAP AND PE

Materials: Porous hydroxyapatite (HAP) and polyethylene (PE)

ITEM TAP 07.37

FLANGE IN HAP

As proven by clinical studies and long follow-ups, the head in HAP can stay directly in contact with the eardrum without being extruded.

LIGHTNESS

The porosity of the material makes the implant lighter.

ADJUSTABLE COLUMELLA

The columella is composed by a platinum joint which allows to angle and adjust the inclination of the flange and by a part in PE which can be shortened using a surgical scalpel.



TAP 07.37

Total length (L)	Product code
from 8.00 to 3.25 mm	TAP 07.37

DIMENSIONS:

Total length: 8.00 mm
shortenable up to 3.25 mm
Flange diameter: 3.50 mm
Platinum wire diameter: 0.20 mm
Columella diameter in PE: 0.60 mm

ADJUSTABLE COMPLETE IMPLANT IN HA AND PE

Materials: Hydroxyapatite (HA) and polyethylene (PE)

The columella is composed by a platinum joint which allows to angle and adjust the inclination of the flange and by a part in PE which can be shortened using a surgical scalpel.



ITEM TAP 07.40

TAP 07.40

Total length (L)	Product code
from 8.00 mm to 3.25 mm	TAP 07.40

DIMENSIONS:

Total length: 8.00 mm
shortenable up to 3.25 mm
Flange diameter: 3.50 mm
Platinum wire diameter: 0.20 mm
Columella diameter in PE: 0.75 mm

ADJUSTABLE PARTIAL IMPLANT IN HA AND PE, TILTING FLANGE

Materials: Hydroxyapatite (HA) and polyethylene (PE)

The platinum joint allows to angle the implant flange and make it perpendicular to the stirrup head.

The columella in PE can be shortened from 6.5 mm to 3.0 mm.

For such shortening, it is possible to use a surgical scalpel.



ITEM PAP 07.41

PAP 07.41

Total length (L)	Product code
6.50 mm	TAP 07.41

DIMENSIONS:

Total length: 6.50 mm
Flange diameter: 3.50 mm
Platinum wire diameter: 0.25 mm
Audio-PE columella
Outer diameter: 2.20 mm
Inner diameter: 1.40 mm



Other models

PARTIAL IMPLANT IN HA

Material: Hydroxyapatite (HA)

The PAP 07.12 implant replaces the incus or incudo-malleolar block.

The carved niche at the base of the columella is assembled to the stirrup head.

The flange of the implant can be fixed to the tympanic membrane with fibrin glue.

The bioactive material hydroxylapatite can stay in contact with the neotympanum without being extruded: it does not require a cartilage interposition.



ITEM PAP 07.12

PAP 07.12

Total length (L)	Product code
3.00 mm	PAP 07.12.300
3.50 mm	PAP 07.12.350
4.00 mm	PAP 07.12.400
4.50 mm	PAP 07.12.450
5.00 mm	PAP 07.12.500

DIMENSIONS:

Total length: 3.00, 3.50, 4.00, 4.50, 5.00 mm
 Flange diameter: 4.00 mm
 Flange thickness: 0.80 mm
 Outer columella diameter: 2.00 mm
 Niche diameter: 1.20 mm
 Niche depth: 1.50 mm

PARTIAL IMPLANT IN HA WITH 90° TILTING OVAL FLANGE

Material: dense hydroxyapatite (HA)

The PAP 07.15 implant replaces the incus or incudo-malleolar block.

The flange is in the "off-set" position.

No cartilage interposition is required between the flange and the tympanic membrane.

The flange of the implant can be fixed to the tympanic membrane with fibrin glue.



ITEM PAP 07.15

PAP 07.15

Total length (L)	Product code
3.00 mm	PAP 07.15.300
3.50 mm	PAP 07.15.350
4.00 mm	PAP 07.15.400
4.50 mm	PAP 07.15.450
5.00 mm	PAP 07.15.500

DIMENSIONS:

Total length: 3.00, 3.50, 4.00, 4.50, 5.00 mm
 Flange length: 4.00 mm
 Flange length: 2.50 mm
 Flange thickness: 0.80 mm
 Outer columella diameter: 2.00 mm
 Inner columella diameter: 1.20 mm

Tympanoplasty Implants



The PAP 07.16 implant replaces the incus or incudo-malleolar block.

The flange is in the “off-set” position.

No cartilage interposition is required between the flange and the tympanic membrane.

The flange of the implant can be fixed to the tympanic membrane with fibrin glue.

DIMENSIONS:

Total length: 3.00, 3.50, 4.00, 4.50, 5.00 mm

Flange length: 4.00 mm

Flange length: 2.50 mm

Flange thickness: 0.80 mm

Outer columella diameter: 2.00 mm

Inner columella diameter: 1.20 mm

PAP 07.16

Total length (L)	Product code
3.00 mm	PAP 07.16.300
3.50 mm	PAP 07.16.350
4.00 mm	PAP 07.16.400
4.50 mm	PAP 07.16.450
5.00 mm	PAP 07.16.500



INCUS MODEL IMPLANT IN HA

HA: Bioactive dense hydroxyapatite

The INCUS 07.17 implant is inserted between incus and stirrup.

The compact design allows an easy placement inside the ossicular chain.

DIMENSIONS:

Total length: 3.25, 3.75 mm

Outer columella diameter: 2.00 mm

Inner columella diameter: 1.20 mm

ITEM INCUS 07.17

INCUS 07.17

Total length (L)	Product code
3.25 mm	INCUS 07.17.325
3.75 mm	INCUS 07.17.375



Tympanoplasty Implants



COMPLETE OFF-SET IMPLANT IN HA

Material: dense hydroxyapatite

Implant to replace the entire ossicular chain, from the tympanic membrane to the oval window.

The interposition of cartilage is not necessary between the implant flange and the tympanic membrane.

The columella in the off-set position remains perpendicular to the oval window.

It is possible to fix the flange to the tympanic membrane with fibrin glue.



ITEM TPL 07.05

TPL 07.05

Total length (L)	Product code
5.00 mm	TPL 07.05.500
5.50 mm	TPL 07.05.550
6.00 mm	TPL 07.05.600
6.50 mm	TPL 07.05.650
7.00 mm	TPL 07.05.700
7.50 mm	TPL 07.05.750
8.00 mm	TPL 07.05.800

DIMENSIONS:

Total length (mm): 5.00, 5.50, 6.00, 6.50, 7.00, 7.50, 8.00

Flange length: 2.00 mm

Flange thickness: 0.80 mm

Columella diameter: 0.65 mm

PARTIAL OFF-SET IMPLANT IN HA

Material: dense hydroxyapatite

Implant for partial replacement of the ossicular chain.

The columella in off-set position is assembled to the stirrup head in vertical way.

It is not necessary the interposition of cartilage between the flange of the implant and tympanic membrane.



ITEM TPL 07.06

TPL 07.06

Total length (L)	Product code
3.00 mm	TPL 07.06.600
3.50 mm	TPL 07.06.700
4.00 mm	TPL 07.06.800
4.50 mm	TPL 07.06.450
5.00 mm	TPL 07.06.500
5.50 mm	TPL 07.06.500

DIMENSIONS:

Total length (mm): 3.00, 3.50, 4.00, 4.50, 5.00, 5.50

Flange diameter: 4.00 mm

Flange thickness: 0.80 mm

Outer columella diameter: 2.00 mm

Niche diameter: 1.20 mm

Niche depth: 1.50 mm

Tympanoplasty Implants



COMPLETE IMPLANT IN HA WITH 90° OVAL FLANGE

Material: Hydroxyapatite (HA)

The TAP 07.13 implant replaces the entire ossicular chain, from the malleus or tympanic membrane up to the platinum of the stirrup.

No cartilage interposition is required between the flange and the tympanic membrane.

The offset columella and the shape of the flange allow to see the oval window during placement of the implant.

The thickness of the flange allows to create a groove for the manubrium of malleus (use a diamond cutter).

The flange can be stabilized to the tympanic membrane with fibrin glue.



DIMENSIONS:

Total length (mm): 5.00, 5.50, 6.00, 6.50, 7.00, 7.50, 8.00

Flange length: 3.50 mm

Flange width: 2.50 mm

Spessore flangia: 1.00 mm

Lower diameter of columella: 0.75 mm

ITEM TAP 07.13

TAP 07.13

Total length (L)	Product code
5.00 mm	TAP 07.13.500
5.50 mm	TAP 07.13.550
6.00 mm	TAP 07.13.600
6.50 mm	TAP 07.13.650
7.00 mm	TAP 07.13.700
7.50 mm	TAP 07.13.750
8.00 mm	TAP 07.13.800

75° TILTED OVAL HEAD COMPLETE IMPLANT IN HA

Material: Hydroxyapatite (HA)

The TAP 07.14 implant replaces the entire ossicular chain, from the malleus or tympanic membrane to the platinum of the stirrup.

No cartilage interposition is required between the flange and the tympanic membrane.

The offset columella and the shape of the flange allow to see the oval window during placement of the implant.

The thickness of the flange allows to create a groove for the manubrium of malleus (use a diamond cutter).

The flange can be stabilized to the tympanic membrane with fibrin glue.



DIMENSIONS:

Total length (mm): 5.00, 5.50, 6.00, 6.50, 7.00, 7.50, 8.00

Flange length: 3.50 mm

Flange width: 2.50 mm

Flange thickness: 1.00 mm

Lower diameter of columella: 0.75 mm

ITEM TAP 07.14

TAP 07.14

Total length (L)	Product code
5.00 mm	TAP 07.14.500
5.50 mm	TAP 07.14.550
6.00 mm	TAP 07.14.600
6.50 mm	TAP 07.14.650
7.00 mm	TAP 07.14.700
7.50 mm	TAP 07.14.750
8.00 mm	TAP 07.14.800

Tympanoplasty Implants



SHORTENABLE IMPLANT IN HA "MARPLA"

Material: Dense hydroxyapatite (HA)

**ITEM
TAP 07.54**

Implant in dense HA to connect the malleus to the platinum of the stirrup. The base of the implant is rectangular for a good contact with the platinum of the stirrup.

The columella can be shortened by a diamond cutter under watering.



TAP 07.54

Total length (L)	Product code
8.00 mm	TAP 07.54

DIMENSIONS:

Total length: 8.00 mm
 Flange length: 4.00 mm
 Rectangular-section columella:
 1.00 mm x 0.80 mm

CUP PLATINUM CONNECTOR

Material: dense hydroxyapatite (HA)

**ITEM
TPL 07.44**

The implant is designed to power the sound wave transmission on the platinum of the stirrup. The implant can be placed among the possible residues of the crura.

The cavity of the cup hosts the columella of the complete implant with diameters between 0.4 mm and 0.8 mm.



The transmission of the sound wave is not impaired by inclinations below 20°.

TPL 07.44

Product code	Dimension mm	Height mm	Cup diameter mm
TPL 07.44	1.2 x 1.0	0.6	0.85

DIMENSIONS:

Platen dimension: 1.2 x 1.0 mm
 Cup diameter: 0.85 mm

PVA Sponge Nasal Packing

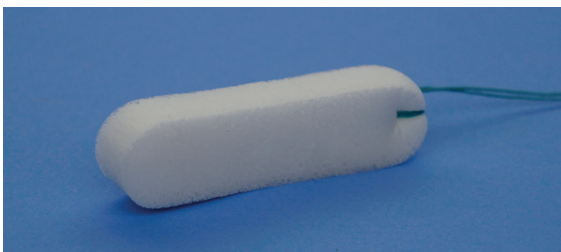


IVALON® Surgical products are constructed of a unique hydroxylated polyvinyl acetal (PVAc) sponge developed by the pioneer of modern PVAc products. They have been used in medical applications for over forty years. IVALON® PVAc products provide a unique combination of exceptional liquid absorption and wicking characteristics with high tensile strength.

- Soft, highly absorbent, and fast wicking
- Lint and fiber-free
- Extremely strong, will not tear or shred during use
- Smooth, rounded edges ease insertion
- Atraumatic removal
- Compressed for easy insertion
- Easily trimmed with scissors to achieve custom shape or size.

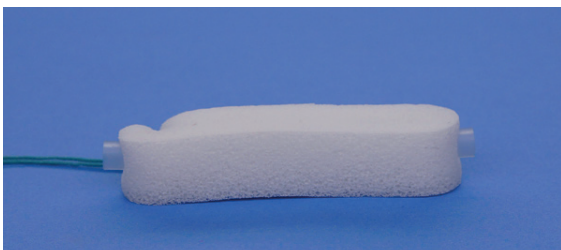
IVALON®'s **ThinPack™** products provide a less bulky alternative to the standard products for the surgeon desiring to pack less or with less material.

IVALON®'s **4000Plus** combines a non-stick surface with the excellence of IVALON® PVAc. The 4000Plus's integral smooth outer surface reduces adhesion.



NASAL PACKINGS

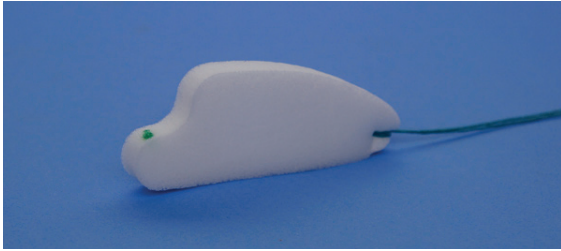
<i>Product No.</i>	<i>Description/Size</i>
Q770401	Nasal Packing, 4000Plus, Sterile 4.5 cm long x 2.0 cm high x 1.5 cm high - 1 /Pkg; 10 Pkgs/Box
Q770407	ThinPack™ Nasal Packing, 4000Plus, Sterile 4.5 cm long x 1.0 cm wide x 2.0 cm high - 1 /Pkg; 10 Pkgs/Box
Q770404	Nasal Packing, 4000Plus, Sterile 8.0 cm long x 1.5 cm wide x 2.0 cm high - 1 /Pkg; 10 Pkgs/Box
Q770406	ThinPack™ Nasal Packing, 4000Plus, Sterile 8.0 cm long x 1.0 cm wide x 2.0 cm high - 1 /Pkg; 10 Pkgs/Box
Q770319	Nasal Packing, No String, 4000Plus, Sterile 8.0 cm long x 1.5 cm wide x 2.0 cm high - 1 /Pkg; 20 Pkgs/Box



NASAL PACKINGS w/ Airway Tube

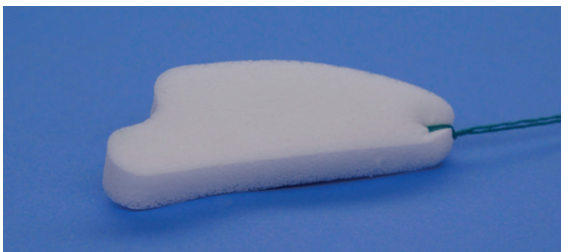
<i>Product No.</i>	<i>Description/Size</i>
Q770408	Nasal Packing with Airway Tube, 4000Plus, Sterile 4.5 cm long x 1.5 cm wide x 2.0 cm high - 1 /Pkg; 10 Pkgs/Box
Q770405	Nasal Packing with Airway Tube, 4000Plus, Sterile 8.0 cm long x 1.5 cm wide x 2.0 cm high - 1 /Pkg; 10 Pkgs/Box

PVA Sponge Nasal Packing



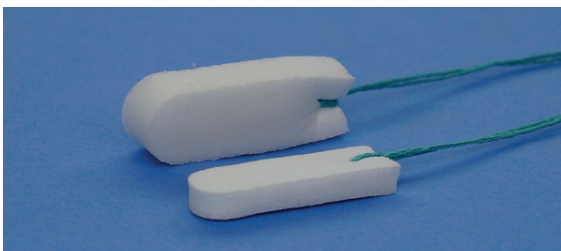
ANATOMICAL NASAL PACKINGS

<i>Product No.</i>	<i>Description/Size</i>
Q770409	Anatomical Nasal Packing, 4000Plus, Sterile 8.0 cm long x 1.5 cm wide x 3.0 cm high - 1 /Pkg; 10 Pkgs/Box
Q770411	Anatomical ThinPack™ Nasal Packing, 4000Plus, Sterile 8.0 cm long x 1.0 cm wide x 3.0 cm high - 1 /Pkg; 10 Pkgs/Box
Q771319	Anatomical Nasal Packing, No String, 4000Plus, Sterile 8.0 cm long x 1.5 cm wide x 3.0 cm high - 1 /Pkg; 20 Pkgs/Box



ANATOMICAL NASAL PACKINGS w/ Airway Tube

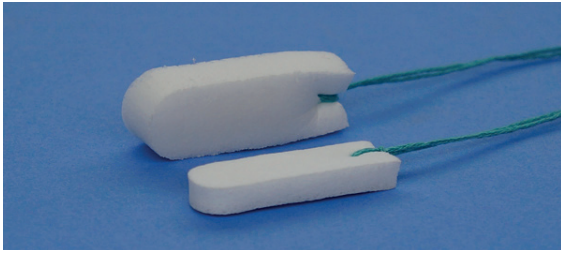
<i>Product No.</i>	<i>Description/Size</i>
Q770410	Anatomical Nasal Packing with Airway Tube, 4000Plus, Sterile 8.0 cm long x 1.5 cm wide x 3.0 cm high - 1 /Pkg; 10 Pkgs/Box



POST-OP SINUS PACKS

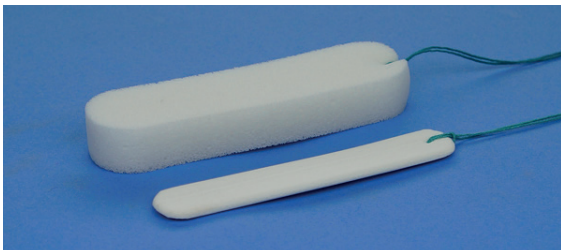
<i>Product No.</i>	<i>Description/Size</i>
Q770530	Post-Op Sinus Packing, K6, 4000Plus, Sterile 3.5 cm long x 0.6 cm wide x 1.2 cm high - 2 /Pkg; 5 Pkgs/Box
Q770532	Post-Op Sinus Packing, K9, 4000Plus, Sterile 3.5 cm long x 0.9 cm wide x 1.2 cm high - 2 /Pkg; 5 Pkgs/Box

PVA Sponge Nasal Packing



POST-OP SINUS PACKS

<i>Product No.</i>	<i>Description/Size</i>
Q770530	Post-Op Sinus Packing, K6, 4000Plus, Sterile 3.5 cm long x 0.6 cm wide x 1.2 cm high - 2 /Pkg; 5 Pkgs/Box
Q770532	Post-Op Sinus Packing, K9, 4000Plus, Sterile 3.5 cm long x 0.9 cm wide x 1.2 cm high - 2 /Pkg; 5 Pkgs/Box



EPISTAXIS PACKINGS

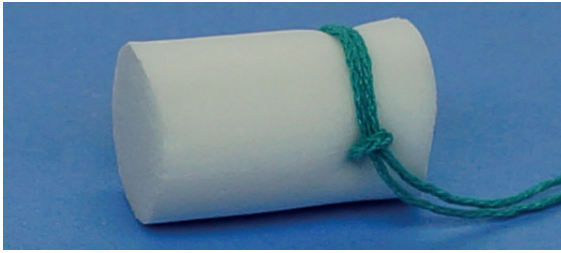
<i>Product No.</i>	<i>Description/Size</i>
Q602315	Small Epistaxis Packing, Sterile 5.5 cm long x 1.5 cm wide x 2.5 cm high - 1 /Pkg; 20 Pkgs/Box
Q602310	Large Epistaxis Packing, Sterile 10.0 cm long x 1.5 cm wide x 2.5 cm high - 1 /Pkg; 10 Pkgs/Box
Q602330	ThinPack™ Epistaxis Packing, Sterile 10.0 cm long x 1.0 cm wide x 2.5 cm high - 1 /Pkg; 10 Pkgs/Box



- Fiber-free construction will not snag instruments
- Soft, chamois-like feel will not damage sensitive instruments or optics
- Excellent for removal of debris from delicate instruments

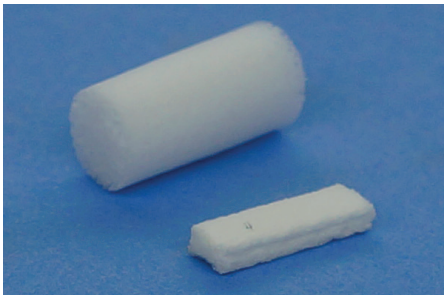
INSTRUMENT WIPES

<i>Product No.</i>	<i>Description/Size</i>
Q604201	Instrument Wipe, 1 mm, Sterile 8.25 cm x 8.25 cm - 1 /Pkg; 20 Pkgs/Box
Q604202	Instrument Wipe, 2 mm, Sterile 8.25 cm x 8.25 cm - 1 /Pkg; 20 Pkgs/Box



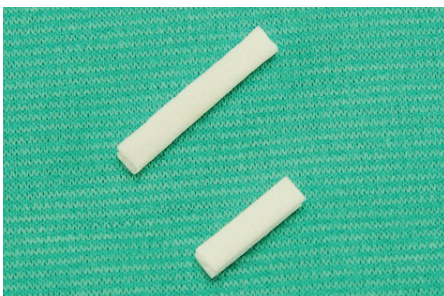
POST-OP EAR PACKING

<i>Product No.</i>	<i>Description/Size</i>
Q605203	Large Post-Op Ear Packing, Sterile 15 mm diameter x 24 mm long - 1 /Pkg; 10 Pkgs/Box
Q605204	Small Post-Op Ear Packing, Sterile 12 mm diameter x 24 mm long - 1 /Pkg; 10 Pkgs/Box



EAR WICKS

<i>Product No.</i>	<i>Description/Size</i>
Q605200	Ear Wick, Sterile 9 mm diameter x 15 mm long - 1 /Pkg; 25 Pkgs/Box
Q605201	Ear Wick, Sterile 9 mm diameter x 15 mm long - 1 /Pkg; 50 Pkgs/Box
Q605202	Ear Wick, Sterile 9 mm diameter x 24 mm long - 1 /Pkg; 50 Pkgs/Box



FENESTRATED EAR WICKS

<i>Product No.</i>	<i>Description/Size</i>
Q605205	Fenestrated Ear Wick, Sterile 9 mm diameter x 15 mm long - 1 /Pkg; 50 Pkgs/Box
Q605206	Fenestrated Ear Wick, Sterile 9 mm diameter x 24 mm long - 1 /Pkg; 50 Pkgs/Box



PosiSep® X HEMOSTAT DRESSING/INTRANASAL SPLINT

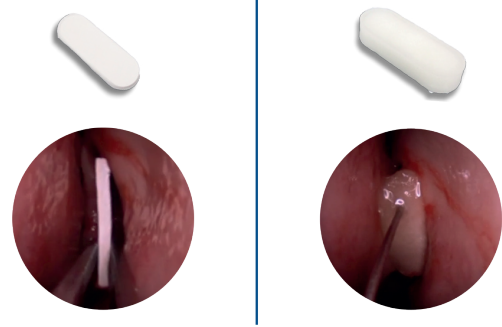


- Biocompatible-made of all natural NOCC chitosan polymers
- Minimizes bleeding and edema after surgery
- Easily conforms to nasal anatomy
- Offers easier placement with a superior field of view
- No special storage or refrigeration required

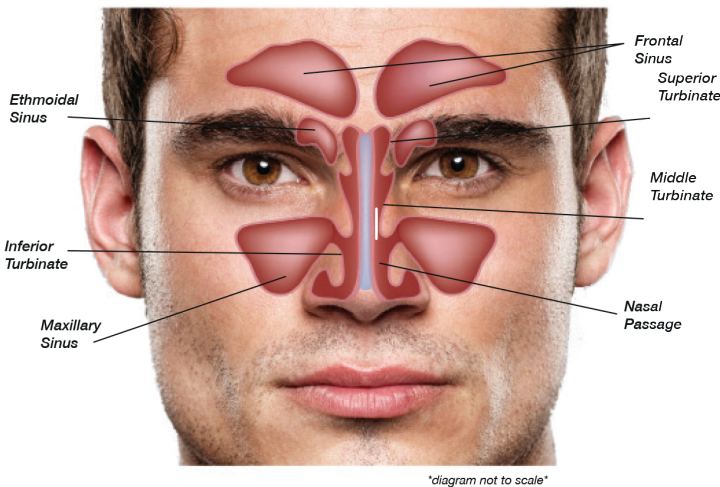
PosiSep® X is indicated for use as a hemostat dressing/intranasal splint intended to minimize bleeding and edema and to prevent adhesions between the septum and the nasal cavity. PosiSep® X is constructed from proprietary NOCC chitosan polymers into a patient-comfortable sponge which is placed in the nasal cavity after surgery or trauma. After hydration, PosiSep® X will immediately expand to fill the space between mucosal tissues and prevent post-op adhesions. Subsequent irrigation will cause the product to fragment, thus optimizing patient tolerance and comfort. Typical clearance time is about 5-10 days.

- Fragments by way of gentle irrigation
- Easy to apply-no mixing or additional prep time necessary
- Widely studied and published anti-adhesion properties of our proprietary NOCC (N,O-carboxymethyl chitosan)

Before Hydration | After Hydration



When PosiSep X is hydrated, it expands to fill the space preventing post-op adhesions.



What is NOCC?

Chitosan is widely used in wound treatment technologies due to its biomedical properties. It is made from Chitin an amino-polysaccharide removed from the powdered shells of crustaceans. NOCC is our proprietary medical grade NO-Carboxymethyl Chitosan derived from Chitosan. NOCC has unique properties which made it advantageous for use in medical applications

A thin, smooth PosiSep® X sponge is inserted into the nasal cavity where it begins to quickly expand after irrigation. PosiSep® X can be cut into smaller sections for optimal placement.

ORDERING INFORMATION PosiSep® X is available in five sizes. See ordering information below












Part #:	Description:	How Supplied:
9215674	PosiSep® X Hemostat Dressing/Intranasal Splint 1.5 cm x 5.1 cm/ 8pk	PosiSep® X is packaged eight (8) sterile, single use units per carton. One (1) sterile unit contains one (1) Hemostat Dressing/Intranasal Splint. PosiSep® is terminally sterilized by gamma irradiation.
9215664	PosiSep® X Hemostat Dressing/Intranasal Splint 1.3 cm x 3.8 cm/ 8pk	
9215686	PosiSep® X Hemostat Dressing/Intranasal Splint 8.0 cm x 1.8 cm/ 8pk	

BENEFITS


- Offers easier placement with a superior field of view.
- Dissolves naturally by way of gentle irrigation and aspiration. Easily conforms to the nasal cavity.
- No special storage or refrigeration required.
- Biocompatible – made of naturally occurring chitosan polymers
- Immediate expansion upon hydration

ENT Cutting Instruments

Myringotomy (Flat Stock)



	Code	Description	Contents
	7100	Lance Blade, Adult	6/Box
	7100H	Lance Knife, Adult	6/Box
	7110	Lance Blade Reverse, Adult	6/Box
	7121	Lance Blade, Juvenile	6/Box
	7124	Lance Knife, Juvenile	6/Box
	7120	Spear Blade, Juvenile	6/Box
	7122	Spear Knife, Juvenile	6/Box
	7300	Sickle Blade	6/Box
	7300H	Sickle Knife	6/Box

Tympanoplasty (Flat Stock)

	Code	Description	Contents
	7200	Angled 60°, 2.5mm wide	6/Box
	7210	Straight, 2.5mm wide	6/Box


Handle (Flat Stock)

Handle accommodates all Flat Stock Blades pictured above.

	Code	Description	Contents
	1310	10cm Length with Collet	1/Bag
	1305	Replacement Collet Only	1/Bag


ENT Cutting Instruments

Myringotomy (Round Stock)

	Code	Description	Contents
	700715	Sickle Knife, Straight, Flat Handle	6/Box
	700716	Lance Knife, Straight, Flat Handle	6/Box
	8124	Lance Knife, Straight, Juvenile	6/Box
	8125	Lance Knife, Angled, Juvenile	6/Box
	8130	Spear Blade, Micro-Point, Angled	6/Box


Handle (Round Stock)

Handle accommodates all Round Stock Blades pictured above.

	Code	Description	Contents
	1318	10cm Length	1/Bag






ENT Cutting Instruments

Nasal Sinus Series (Round Stock)

	Code	Description	Contents
	8920	Sickle Tip Knife, Straight	4/Box

Tapered Series (Round Stock)

These blades require Tapered Round Stock Handle #1382 (see below).

	Code	Description	Contents
	8230	Straight Edge Blade, Angled, Upward Cut	6/Box
	8231	Straight Edge Blade, Angled, Downward Cut	6/Box
	8232	Straight Edge Blade, Straight Cut	6/Box
	8233	Spear Tip Blade, Angled	6/Box
	8234	Spear Tip Blade, Straight	6/Box






Tapered Round Stock Handle

Handle accommodates all Tapered Round Stock Blades pictured above.










	Code	Description	Contents
	1382	10cm Length	1/Bag

Surgical Cutting Instruments

Angled Incision Knives and Collets

	Code	Description	Contents
	961502	Stab 15° Collet	6/Box
	961501	Stab 15° Knife	6/Box
	962201	Stab 22.5° Knife	6/Box
	963001	Stab 30° Knife	6/Box
	964501	Stab 45° Knife	6/Box

Angled Incision Knives and Collets, Controlled Depth







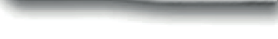


	Code	Description	Contents
	7511	15° Blade, 1.5mm Depth, Orange	6/Box
	7513	15° Blade, 3.0mm Depth, Lt. Blue	6/Box
	7514	15° Knife, 3.0mm Depth, Lt. Blue	6/Box
	7515	15° Blade, 5.0mm Depth, Green	6/Box
	7516	15° Knife, 5.0mm Depth, Green	6/Box
	7522	22.5° Blade, 4.0mm Depth, Grey	6/Box
	7523	22.5° Knife, 4.0mm Depth, Grey	6/Box
	7530	30° Blade, 3.5mm Depth, Black	6/Box
	7531	30° Knife, 3.5mm Depth, Black	6/Box
	7536	30° Knife, 5.0mm Depth, Black	6/Box

Crescent Knives

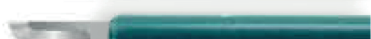




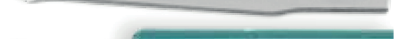



	Code	Description	Contents
	940002	Tapered 2.5mm to 2.0mm Angled	6/Box
	960021	2.0mm Straight	6/Box
	960022	2.0mm Angled Bevel Up	6/Box

Surgical Cutting Instruments

Mini Blades










	Code	Description	Contents
	6100	Chisel Blade, 1.5mm Wide	12/Box
	6200	Chisel Blade, 2.7mm Wide	12/Box
	6300	Spear Tip Blade	6/Box
	6400	Round Tip Blade, Sharp One Side	12/Box
	6500	Lance Tip Blade	12/Box
	6600	Lamellar Blade, Angled Bevel Up	6/Box
	6700	Curved Tip Blade, Sharp One Side	12/Box
	6900	Round Tip Blade, Sharp All Around, Straight	6/Box
	6910	Round Tip Blade, Sharp All Around, Angled	6/Box

Other Knives and Blades

	Code	Description	Contents
	4765	MRI Knife - Lance Tip Design with 10cm handle	6/Box
	4867	MRI Knife - Curved Tip Design with 10cm handle	6/Box
	5435	P.D.I.-Precise Depth Incision Blade 0.35mm Depth	6/Box
	5910	Needle Blade 3.0mm	6/Box
	5920	Needle Blade 5.0mm	6/Box
	5700S	Scleral Hockey Stick Blade, Small	6/Box
	5710S	Scleral Hockey Stick Knife, Small	6/Box
	5700	Scleral Hockey Stick Blade, Medium	6/Box
	5710	Scleral Hockey Stick Knife, Medium	6/Box
	7300	Sickle Blade	6/Box
	7889	Dermatology Spear Blade 1.0mm	12/Box
	7891	Dermatology Spear Blade 1.25mm	12/Box
	7890	Dermatology Spear Blade 1.5mm	12/Box

Surgical Cutting Instruments

Handles

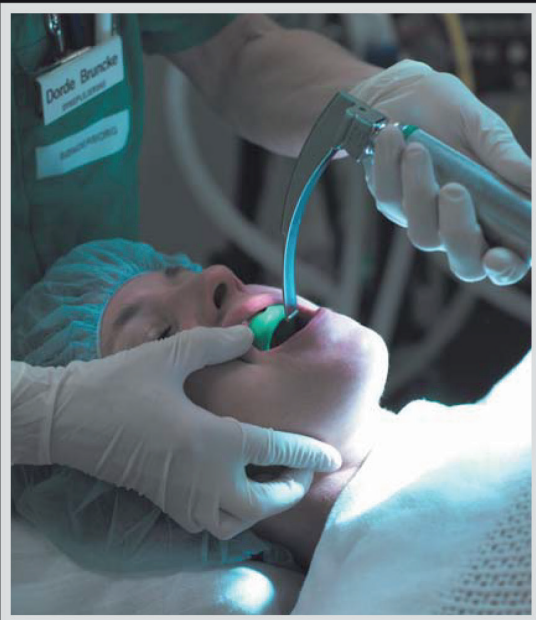
	Code	Description	Contents
	1305	Cross-cut Collet	1/Each
	1311	Round, 5.0cm	1/Each
	1312	Round, 7.5cm	1/Each
	1310	Round, 10.0cm	1/Each
	1350	Round, 13.0cm	1/Each
	1360	Round, 13.0cm Heavy Duty	1/Each
	1320	Round, 15.5cm	1/Each
	1330	Hex, 10.0cm	1/Each
	1340	Hex, 15.5cm	1/Each

Tooth Protecting

This new product is characterized by its easy handling, safe use and versatile application. The fast insertion of the tooth protector into the mouth and its firm fit are very important features in a clinical environment. The tooth protector has been developed in cooperation with anesthetists and thus meets the requirements of practical use.

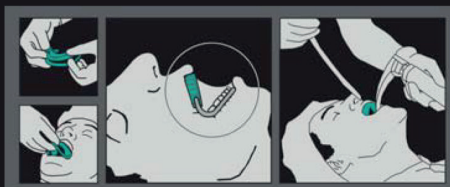
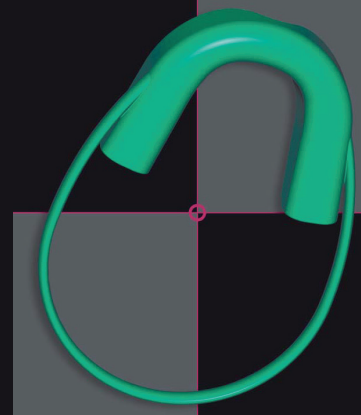


Before inserting pour water directly in the pouch or put the Tooth Protector in water. This will lubricate the surface for easier insertion.



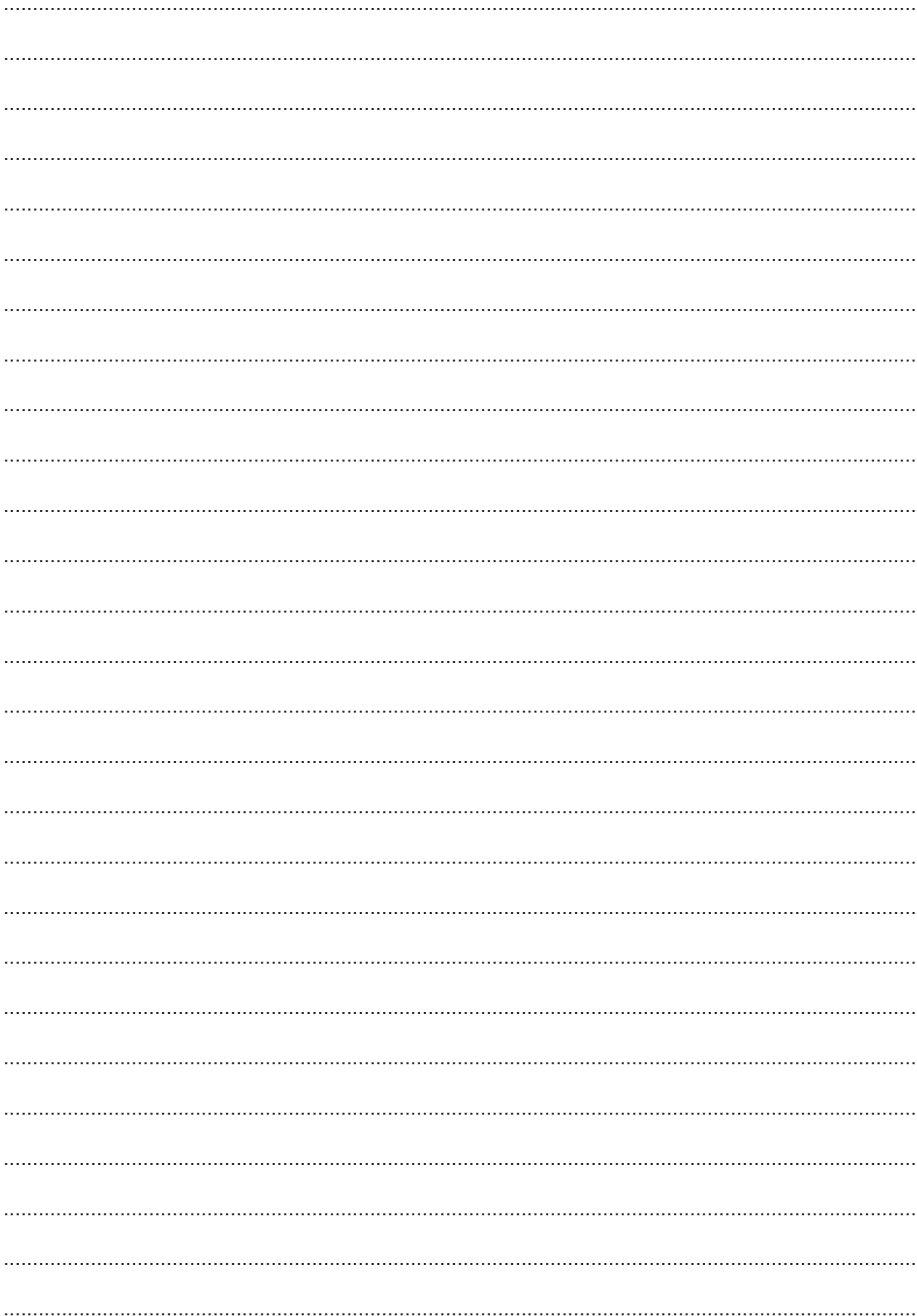
Unique Propositions

- Saves time
- Reduces the risk of injury
- Protects the teeth
- Opens the mouth
- Dilates the cheeks
- Cannot slip into the trachea
- Fits every size of mouth
- Jumps out of the mouth if fitted incorrectly
- Teeth and fillings cannot get stuck in the product
- Affordable single use product
- Protects instrumentation (scopes etc.)



Main fields of use:

- Anesthesia
- Endoscopy
- Tremor
- Emergency medicine
- Epilepsy
- Convulsions





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